

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **AO23-01-BAC**

**Atlantic Ocean Beaches - Croatan**

Cause Location: This cause encompasses the Croatan Beach along shore of City of Virginia Beach. VDH bathing beach areas.

City / County: Virginia Beach City

Use(s): Recreation

Cause(s) / VA Category: Enterococcus / 5A

The Recreation Use is impaired for Croatan Beach based on Enterococcus bacteria data from the VDH-Beach station VA723069 (1 viol. / 26 Geo-mean obs.) along with multiple swimming advisories between the years 2009-2014. In 2014, Tidewater beaches experienced a wide spread precipitation event on Sept 8 with a total of 5 inches of rainfall. Since the event is within the last two years of the assessment period, the beach will be listed in the 2016 IR as impaired.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-AO23_ATL02A16 / Atlantic Ocean Beaches - Croatan / Croatan Beach along shore of City of Virginia Beach. VDH bathing beach areas.	5A	Enterococcus	2016	L	0.410
Atlantic Ocean Beaches - Croatan			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>		Enterococcus - Total Impaired Size by Water Type:	<b>0.410</b>		

Sources:

Wet Weather Discharges  
(Non-Point Source)

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-01-SF

**Great Wicomico River**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 89A, 5/28/1997

City / County: Northumberland Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

Portion of VDH-DSS Shellfish Condemnation Notice 013-089A, 4/28/2016

The upstream portion of the Great Wicomico River was included on the 1998 303(d) list due to VDH Shellfish Condemnation 89A, 5/28/1997. Although the condemnation is currently larger than the 1998 condemnation, the bacteria TMDL only addressed the original upstream portion, which is now considered Category 4A. The TMDL was approved by the EPA on 6/8/2006. As the segment first expanded in the 2004 cycle, the TMDL is due in 2016 (see C01E-01-SF2).

During the 2010 cycle, it was determined that a portion of the 1998 condemnation is considered an administrative closure by the VDH; therefore, the Shellfish Use was removed from the administrative portion and the segment was partially delisted.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_BMS01A12 / Bush Mill Stream / Tidal limit to mouth at Great Wicomico River	4A	Fecal Coliform	1998	L	0.095
CB5MH					
VAP-C01E_GWR01A98 / Great Wicomico River / Portion of condemnation notice 089A, 5/28/1997 which is not administratively closed, excluding Head River Branch and Bush Mill Stream	4A	Fecal Coliform	1998	L	0.268
CB5MH					
VAP-C01E_HRB01A12 / Head River Branch / Tidal limit to mouth at Bush Mill Stream.	4A	Fecal Coliform	1998	L	0.020
CB5MH					
Great Wicomico River			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing					
Fecal Coliform - Total Impaired Size by Water Type:			<b>0.382</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-01-SF2

**Great Wicomico River / Blackwells Creek**

Cause Location: Portion of VDH Notice and Description of Shellfish Condemnation Numbers 013-089A & 013-089G, 4/28/2016 not included in the 5/28/1997 condemnation.

City / County: Northumberland Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

Portion of VDH-DSS Shellfish Condemnation Notice 013-089A & Notice 013-089G, 4/28/2016

The upstream portion of the Great Wicomico River was included on the 1998 303(d) list due to VDH Shellfish Condemnation 89A, 5/28/1997. Although the condemnation is currently larger than the 1998 condemnation, the bacteria TMDL only addressed the original upstream portion, which is now considered Category 4A. As the segment first expanded in the 2004 cycle, the TMDL for this expanded portion is due in 2016.

During the 2010 cycle, the condemnation was reduced and split into sections A & I. The condemnation shrank further in the 2012 cycle and an additional 0.3305 square miles was reopened for harvest. Condemnation I was opened and the impaired area is now limited to Blackwells Creek and a 0.0695 square mile segment on the Great Wicomico River.

The impairment is nested within the Great Wicomico River Shellfish TMDL, which was approved by the EPA on 6/8/2006. It is considered Category 4A.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_GWR01B08 / Great Wicomico River / Blackwells Creek / Portion of condemnations 013-089A & 013-089G, 4/28/2016 not included in 089A, 5/28/1997	4A	Fecal Coliform	2004	L	0.125

CB5MH

Great Wicomico River / Blackwells Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.125</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-02-SF

**Balls Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 89B, 5/28/1997

City / County: Northumberland Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

Portion of VDH-DSS Shellfish Condemnation Notice 013-089F, 4/28/2016

The upstream portion of Balls Creek was included on the 1998 303(d) list due to VDH Shellfish Condemnation 89B, 5/28/1997. The impairment was addressed in the Great Wicomico River Shellfish TMDL Report, which was approved by the EPA on 6/8/2006.

Although the condemnation is currently larger than the 1998 condemnation, the bacteria TMDL only addressed the original upstream portion, which is now considered Category 4A. As the segment first expanded in the 2002 cycle, the TMDL for the expansion will be due in 2014 (see C01E-02-SF2).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_BLS01A02 / Balls Creek / Described in the condemnation notice 89B, 5/28/1997.	4A	Fecal Coliform	1998	L	0.064

CB5MH

Balls Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.064</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-02-SF2

**Balls Creek**

Cause Location: Portion of VDH Notice and Description of Shellfish Condemnation Number 013-089F, 4/28/2016 not included in the 5/28/1997 condemnation.

City / County: Northumberland Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

Portion of VDH-DSS Shellfish Condemnation Notice 013-089F, 4/28/2016

The upstream portion of Balls Creek was included on the 1998 303(d) list due to VDH Shellfish Condemnation 89B, 5/28/1997. Although the condemnation is currently larger than the 1998 condemnation, the bacteria TMDL only addressed the original upstream portion, which is now considered Category 4A. As the segment first expanded in the 2002 cycle, the TMDL for the expansion is due in 2014.

The impairment is considered nested in the Great Wicomico River Shellfish TMDL Report, which was approved by the EPA on 6/8/2006.

Segment expanded again in the 2016 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_BLS02A08 / Balls Creek / Portion of condemnation notice 013-089F, 4/28/2016 not included in 89B, 5/28/1997.	4A	Fecal Coliform	2002	L	0.113

CB5MH

Balls Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing			
Fecal Coliform - Total Impaired Size by Water Type:	0.113		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-03-SF

**Tipers Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 89C, 5/28/1997

City / County: Northumberland Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

Portion of VDH-DSS Shellfish Condemnation Notice 013-089E, 4/28/2016

The upstream portion of Tipers Creek was included on the 1998 303(d) list due to VDH Shellfish Condemnation 89C, 5/28/1997. The TMDL was approved by the EPA on 6/8/2006.

Although the condemnation is currently larger than the 1998 condemnation, the bacteria TMDL only addressed the original upstream portion, which is now considered Category 4A. The lower portion is addressed in fact sheet C01E-03-SF2.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_TIP01A98 / Tipers Creek / Described in the condemnation notice 89C, 5/28/1997	4A Fecal Coliform	1998	L	0.083

CB5MH

Tipers Creek

**Shellfishing**

Fecal Coliform - Total Impaired Size by Water Type:

Estuary  
(Sq. Miles)

Reservoir  
(Acres)

River  
(Miles)

**0.083**

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-03-SF2

**Tipers Creek**

Cause Location: Portion of VDH Notice and Description of Shellfish Condemnation Number 013-089E, 4/28/2016 not included in the 5/28/1997 condemnation.

City / County: Northumberland Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

Portion of VDH-DSS Shellfish Condemnation Notice 013-089E, 4/28/2016

The upstream portion of Tipers Creek was included on the 1998 303(d) list due to VDH Shellfish Condemnation 89C, 5/28/1997. Although the condemnation is currently larger than the 1998 condemnation, the bacteria TMDL only addressed the original upstream portion, which is now considered Category 4A. As the segment first expanded in the 2002 cycle, the TMDL will be due in 2014.

The impairment is considered nested within the Tipers Creek Shellfish TMDL. The TMDL was developed in the Great Wicomico River Watershed TMDL Report and was approved by the EPA on 6/8/2006.

Segment expanded in the 2016 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_TIP02A08 / Tipers Creek / Portion of condemnation notice 013-089E, 4/28/2016 not included in 89C, 5/28/1997	4A	Fecal Coliform	2002	L	0.039

CB5MH

Tipers Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing			
Fecal Coliform - Total Impaired Size by Water Type:	0.039		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-04-SF

**Henrys Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 016-057D, 12/19/2016

City / County: Northumberland Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS Condemnation 016-057D, 12/19/2016

The TMDL for Henrys Creek was developed as part of the Indian Creek Shellfish TMDL, which was approved by the EPA on 4/8/2009 and by the SWCB on 7/27/2009. The TMDL was developed for the maximum extent of the condemnations, which occurred on 1/28/2005.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_HEN01A00 / Henrys Creek / Described in VDH condemnation 016-057D, 12/19/2016.	4A	Fecal Coliform	2018	L	0.017

Shrank in the 2018 cycle.

CB5MH

Henrys Creek

**Shellfishing**

Fecal Coliform - Total Impaired Size by Water Type:

Estuary  
(Sq. Miles)  
**0.017**

Reservoir  
(Acres)

River  
(Miles)

Sources:

Non-Point Source



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-05-SF

**Whays Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 089E, 4/3/2002

City / County: Northumberland Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS Shellfish Condemnation Notice 013-220B, 4/28/2016

The upstream portion of Whays Creek was included on the 1998 303(d) list as impaired of the Shellfish Consumption Use due to VDH Condemnation 89F, 5/28/1997. The shellfish TMDL was approved by the EPA on 6/8/2006 based on condemnation 089D, 4/3/2002.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_WHY01A98 / Whays Creek / Described in the condemnation notice 089D, 4/3/2002	4A	Fecal Coliform	1998	L	0.041

CB5MH

Whays Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.041</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-06-SF

**Warehouse Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 089E, 5/28/1997

City / County: Northumberland Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

Portion of VDH-DSS Shellfish Condemnation Notice 013-220A, 4/28/2016

The upper portion of Warehouse Creek was included on the 1998 303(d) list due to VDH Condemnation 89E, 5/28/1997. Although the condemnation has since expanded, the bacteria TMDL was completed only for the original upstream portion. The TMDL was approved by the EPA on 6/8/2006. The upper portion will be considered Category 4A. The lower portion is addressed in fact sheet C01E-06-SF2.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_WCO01A98 / Warehouse Creek / Described in the condemnation notice 89E, 5/28/1997	4A	Fecal Coliform	1998	L	0.069
CB5MH					
Warehouse Creek			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing					
Fecal Coliform - Total Impaired Size by Water Type:			0.069		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-06-SF2

**Warehouse Creek**

Cause Location: Portion of VDH Notice and Description of Shellfish Condemnation Number 013-220A, 4/28/2016 not included in condemnation 89E, 5/28/1997.

City / County: Northumberland Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

Portion of VDH-DSS Shellfish Condemnation Notice 013-220A, 4/28/2016

The upper portion of Warehouse Creek was included on the 1998 303(d) list due to VDH Condemnation 89E, 5/28/1997. Although the condemnation has since expanded, the bacteria TMDL was completed only for the original upstream portion. The TMDL was approved by the EPA on 6/8/2006. The TMDL is due in 2018 since it first expanded in the 2006 cycle.

The impairment is considered nested within the adjacent Warehouse Creek Shellfish TMDL. The TMDL was developed as part of the Great Wicomico River Watershed TMDL report and was approved by the EPA on 6/8/2006.

Size reduced in the 2016 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_WCO02A08 / Warehouse Creek / Portion of VDH condemnation notice 013-220A, 4/28/2016 not included in 89E, 5/28/1997	4A	Fecal Coliform	2006	L	0.008

CB5MH

Warehouse Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing			
Fecal Coliform - Total Impaired Size by Water Type:	0.008		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **C01E-07-SF**

**Horn Harbor**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 013-089D, 428/2016

City / County: Northumberland Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS Shellfish Condemnation Notice 013-089D, 4/26/2018

The impairment is nested within the Tippers Creek Shellfish TMDL. The TMDL was developed in the Great Wicomico River Watershed TMDL Report and was approved by the EPA on 6/8/2006.

The condemnation grew slightly in the 2016 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_HHB01A98 / Horn Harbor / Described in the condemnation notice 013-089D, 4/28/2016.	4A	Fecal Coliform	2002	L	0.071
CB5MH					
Horn Harbor			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing					
Fecal Coliform - Total Impaired Size by Water Type:			<b>0.071</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-08-BAC

**Cockrell Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 012-002A, 9/22/2005.

City / County: Northumberland Co.

Use(s): Recreation

Cause(s) / VA Category: Enterococcus / 4A

Due to monitoring around the Omega Protein facility during development of the Cockrell Creek Shellfish TMDL, the segment was listed for the Recreation Use due to enterococci exceedances at several stations. The enterococci TMDL is due in 2020, however it was addressed during the Shellfish TMDL, which was approved by the EPA on 12/8/08 and by the SWCB on 4/28/09. The segment is considered Category 4A.

Note: monitoring at downstream station 7-COC000.27 is acceptable.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_COC04B10 / Cockrell Creek / VDH-DSS Condemnation 4A Notice 012-002A, 9/22/2005	Enterococcus	2008	L	0.470

CB5MH

Cockrell Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>			
Enterococcus - Total Impaired Size by Water Type:	<b>0.470</b>		

Sources:

Industrial Point Source  
Discharge

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-09-SF

**Prentice Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 022D, 2/27/1997

City / County: Northumberland Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

Portion of VDH-DSS Condemnation 015-022E, 5/9/2016

This portion of Prentice Creek was included on the 1998 303(d) list due to condemnation 022D, 2/27/1997. The bacteria TMDL for the 1998 impairment was completed as part of the Dividing Creek and Prentice Creek Bacteria TMDL report; the TMDL was approved by the EPA on 6/8/2006.

During the 2010 cycle, the condemnation expanded and merged with another 1998 condemnation on an unnamed tributary. The 1998 segment is considered Category 4A for the Shellfish Use; the TMDL for the expanded area is addressed in fact sheet C01E-09-SF2.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_PNT03A02 / Prentice Creek / Described in condemnation notice 022D, 2/27/1997.	4A	Fecal Coliform	1998	L	0.015

CB5MH

Prentice Creek

**Shellfishing**

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.015</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-09-SF2

**Prentice Creek**

Cause Location: Portion of VDH Notice and Description of Shellfish Condemnation 015-022E, 5/9/2016 not included in 022D or 022C, 2/27/1997

City / County: Northumberland Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

Portion of VDH-DSS Condemnation 015-022E, 5/9/2016

Two portions of Prentice Creek was included on the 1998 303(d) list due to condemnations 022C & 022D, 2/27/1997. The bacteria TMDL for the 1998 impairment was completed during the 2008 cycle as part of the Dividing Creek and Prentice Creek Bacteria TMDL report; the TMDL was approved by the EPA on 6/8/2006.

During the 2010 cycle, the condemnations expanded and merged. The 1998 segments are considered Category 4A for the Shellfish Use; the TMDL for the expanded area is due in 2022. The impairment is nested in the Prentice Creek Bacterial TMDL and is considered Category 4A.

The impairment expanded further in the 2016 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_PNT02B10 / Prentice Creek / Downstream limit of DSS 4A condemnation 022C & D, 2/27/1997 to limit of 015-022E, 5/9/2016.	Fecal Coliform	2010	L	0.014

CB5MH

Prentice Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing			
Fecal Coliform - Total Impaired Size by Water Type:	0.014		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-11-SF

**Little Taskmakers Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 011-190B, 7/24/2014

City / County: Northumberland Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH Shellfish Condemnation 011-190B, 7/24/2014

Little Taskmakers Creek was listed on the 1998 303(d) list due to VDH condemnation 190, 4/13/1993.

The Shellfish TMDL was approved by the EPA on 6/19/2009 and by the SWCB on 11/14/2009. The segment is considered Category 4A.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_LTM01A98 / Little Taskmakers Creek / Described in the 4A condemnation notice 011-190B, 7/24/2014.	Fecal Coliform	2008	L	0.049

CB5MH

Little Taskmakers Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.049</b>		

Sources:

Non-Point Source



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-12-BAC

**Mill Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 123, 6/2/1997

City / County: Northumberland Co.

Use(s): Recreation

Cause(s) / VA Category: Enterococcus / 4A

The upper portion of Mill Creek was assessed as impaired of the Recreation Use during the 2010 cycle due to an enterococci violation rate of 5/12 at 7-MIL004.00, which is located at the end of Rt. 830.

During the 2012 cycle, additional sampling at 7-MIL005.19 confirmed the impairment (5/12).

Because bacteria reductions are already required due to the Mill Creek Shellfish TMDL, the enterococci impairment is considered nested (Category 4A).

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_MIL01A98 / Mill Creek / Described in the condemnation notice 123, 6/2/1997	4A Enterococcus	2010	L	0.241

CB5MH

Mill Creek

**Recreation**

Enterococcus - Total Impaired Size by Water Type:

Estuary  
(Sq. Miles)  
**0.241**

Reservoir  
(Acres)

River  
(Miles)

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-12-SF

**Mill Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 123, 6/2/1997

City / County: Northumberland Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

Portion of VDH-DSS Shellfish Condemnation Notice 014-123A, 5/9/2016

The upper portion of Mill Creek was included on the 1998 303(d) list due to shellfish condemnation 123, 6/2/1997. The segment has expanded since then, however only the original portion was included in the TMDL for Mill Creek, which was approved by the EPA on 8/22/2007. The original upstream segment is considered Category 4A; the fact sheet for the downstream portion is C01E-12-SF2.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_MIL01A98 / Mill Creek / Described in the condemnation notice 123, 6/2/1997	4A Fecal Coliform	1998	L	0.241
CB5MH				
Mill Creek		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing				
Fecal Coliform - Total Impaired Size by Water Type:		0.241		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-12-SF2

**Mill Creek**

Cause Location: Portion of VDH Notice and Description of Shellfish Condemnation Number 014-123A, 5/9/2016 not included in 123, 6/2/1997.

City / County: Northumberland Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

Portion of VDH-DSS Shellfish Condemnation Notice 014-123A, 5/9/2016

The upper portion of Mill Creek was included on the 1998 303(d) list due to shellfish condemnation 123, 6/2/1997. The segment has since expanded; however, only the original portion was included in the TMDL for Mill Creek, which was approved by the EPA on 8/22/2007. As the segment first expanded during the 2004 cycle, the TMDL is due in 2016.

The impairment is nested within the upstream Mill Creek Shellfish TMDL and is considered Category 4A.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_MIL02A08 / Mill Creek / Portion of VDH Condemnation 014-123A, 5/9/2016 not included in the notice 123, 6/2/1997	4A	Fecal Coliform	2004	L	0.135

CB5MH

Mill Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type: <b>0.135</b>			

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-14-SF

**Gaskin Pond**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 011-122A, 8/31/2016

City / County: Northumberland Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS Condemnation 011-122A, 8/31/2016

Gaskin Pond is considered nested in the TMDL for the neighboring Owens Pond shellfish condemnation. The TMDL was approved by the EPA on 6/19/2009.

The condemnation shrank in the 2018 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_GSK01A10 / Gaskin Pond / As described in VDH-DSS condemnation 011-122A, 8/31/2016	4A Fecal Coliform	2010	L	0.061

Size reduced in the 2018 cycle.

Gaskin Pond	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.061</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-15-SF

**Dividing Creek, Lawrence Creek, Natty Point Cove**

Cause Location: Described in VDH Shellfish Condemnation Number 22A, 2/27/1997

City / County: Northumberland Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS condemnations 015-022A, -B, -C, -D, and -G, 5/9/2016

The upstream section of Dividing Creek was included on the 1998 303(d) list for the Shellfish Use due to VDH condemnation 22A, 2/27/1997. Although the condemnation has shrunk and split over several assessment cycles, the bacterial TMDL was completed for the entire 1998 impairment.

The open area that is within the TMDL study area is considered Category 2C. The closed areas remain Category 4A.

The condemnations shrank again in the 2016 cycle. Expanded slightly in the 2018 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_DIV01A98 / Dividing Creek / Described in VDH-DSS condemnation 015-022A, 5/9/2016.	4A	Fecal Coliform	1998	L	0.091
Segment expanded in the 2018 cycle.					
VAP-C01E_DIV01C14 / Dividing Creek, UT / VDH-DSS condemnation 015-022G, 5/9/2016	4A	Fecal Coliform	2014	L	0.009
CB5MH					
VAP-C01E_LRC01A12 / Lawrence Cove / Described in the VDH-DSS condemnation 015-022B, 5/9/2016.	4A	Fecal Coliform	1998	L	0.744
Shortened slightly in the 2018 cycle.					
CB5MH					
VAP-C01E_NPC01A16 / Natty Point Cove / Described in VDH-DSS condemnation 015-022C, 5/9/2016.	4A	Fecal Coliform	1998	L	0.018
CB5MH					
VAP-C01E_XES01A12 / XES - Dividing Creek, UT / Described in the VDH-DSS condemnation 015-022D, 5/9/2016.	4A	Fecal Coliform	1998	L	0.029
CB5MH					

Dividing Creek, Lawrence Creek, Natty Point Cove

**Shellfishing**

Fecal Coliform - Total Impaired Size by Water Type:

Estuary  
(Sq. Miles)

Reservoir  
(Acres)

River  
(Miles)

**0.891**

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-16-SF

**Great Wicomico River, UT**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 013-089H, 4/28/2016

City / County: Northumberland Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH Shellfish Condemnation 013-089H, 4/28/2016

The impairment is nested in the Great Wicomico River Shellfish TMDL, which was approved by the EPA on 6/8/2006 and by the SWCB on 3/23/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_GWR02E16 / Great Wicomico River, UT / Described in VDH-DSS condemnation 013-089H, 4/28/2016	4A	Fecal Coliform	2016	L	0.033

CB5MH

Great Wicomico River, UT

**Shellfishing**

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.033</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-17-PCB

**Chesapeake Bay and Tidal Tributaries**

Cause Location: Chesapeake Bay mainstem and its small coastal tidal tributaries

City / County: Accomack Co. Chesapeake Bay - County Not Applicable. Lancaster Co. Mathews Co.  
Middlesex Co. Norfolk City Northampton Co. Northumberland Co. Poquoson City.  
Virginia Beach City York Co.

Use(s): Fish Consumption

Cause(s) / VA Category: PCB in Fish Tissue / 5A

The Chesapeake Bay and its small coastal tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Also, VDH issued additional fish consumption advisory for PCBs in the Mobjack Bay and its tributaries, particularly the East, West, and Ware Rivers (on 12/13/2004) and in the Piankatank River from Rt. 17 to Deep Point Boat Landing (10/7/2009). No more than two meals/month of gizzard shad are recommended.

The advisories are based on the results of DEQ's fish tissue monitoring program, which show elevated PCBs levels in several monitoring sites within the basin, including:

7-GWR007.97 in the Great Wicomico River  
7-COC000.40 in Cockrell Creek  
7-IND001.80 in Indian Creek  
7-DYM000.00 in Dymer Creek  
7-PNK019.85 in the Piankatank River  
7-MLF002.45 in Milford Haven  
7-WIN000.88 in Winter Harbor  
7-EST002.65 in the East River  
7-NOR003.65 in the North River  
7-WAR005.77 in the Ware River

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VACB-C10E_POC01A18 / Pocomoke Sound / Pocomoke Sound - VDH DSS #075-033 (Open)	5A	PCB in Fish Tissue	2006	L	0.205
VACB-C10E_POC01B18 / Pocomoke Sound / Pocomoke Sound - VDH DSS condemnation #075-033 (Restricted)	5A	PCB in Fish Tissue	2006	L	0.111
VACB-C10E_TNN01A06 / Tangier North Channel and Adjacent Waters, DSS Area A and B. / Waters surrounding Tangier Island. Portion of CBP segment TANMH. DSS (ADMINISTRATIVE) shellfish condemnation # 078-086, section A effective 11/6/2013	5A	PCB in Fish Tissue	2006	L	1.366
VACB-C10E_TNN01B06 / Tangier North Channel and Adjacent Waters, DSS Area C. / Waters surrounding Tangier Island. Portion of CBP segment TANMH. DSS (ADMINISTRATIVE) shellfish condemnation # 078-086, section B effective 11/6/2013	5A	PCB in Fish Tissue	2006	L	0.039
VACB-C10E_TNN01C16 / Tangier North Channel and Adjacent Waters, Open waters / Waters surrounding Tangier Island. Portion of CBP segment TANMH. Open waters of the DSS cond # 078-86 eff 11/06/2013. Split from VAC-C10E_TNN01A06 (2016).	5A	PCB in Fish Tissue	2006	L	0.196
VACB-C10E_TNN01D18 / Tyler Creek, Shanks Creek, Tangier Sound / Tyler Creek, Shanks Creek, Tangier Sound - Portion of CBP segment TANMH. Restricted waters of the DSS cond # 074-226 eff 2/26/2015. Split from VACB-C10E-TAN.	5A	PCB in Fish Tissue	2006	L	2.169
VACB-C10E-POC / Chesapeake Bay - VA portion of CBP segment	5A	PCB in Fish Tissue	2006	L	46.558

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

POCMH / This assessment unit is the mainstem Chesapeake Bay portion of Chesapeake Bay Program segment POCMH, located in the mesohaline area of Pocomoke sound. HUC: 02080101.

VACB-C10E-TAN / Chesapeake Bay - VA portion of CBP Segment TANMH / This assessment unit is the mainstem Chesapeake Bay portion of Chesapeake Bay Program segment TANMH, located in the northern part of the Virginia mainstem Bay around Tangier Sound. HUC: 02080101	5A	PCB in Fish Tissue	2006	L	118.980
VACB-R01E-04CE / Chesapeake Bay - Cape Charles BSS #089-011, Section A. / Va Dept of Health Shellfish (administrative) condemnation #089-011, Opposite Cape Charles City, Section A. HUC: 02080101.[effective 2005-3-08]	5A	PCB in Fish Tissue	2006	L	0.312
VACB-R01E-04DE / Chesapeake Bay - S. Thimble Island BSS Condemnation #163 / Va Dept of Health Shellfish zone #163. Open to shellfish harvesting as of 4/25/2007. S. Thimble Island. HUC: 02080101	5A	PCB in Fish Tissue	2006	L	0.027
VACB-R01E-04EE / Chesapeake Bay - Off Little Creek BSS #068-017, Section C. / Va Dept of Health Shellfish (administrative) closure #068-017, A portion of section C. Off Little Creek. HUC: 02080101.[effective 2005-3-08]	5A	PCB in Fish Tissue	2006	L	0.540
VACB-R01E-04GE / Chesapeake Bay - Off Little Creek BSS #068-017, Areas A & B / Va Dept of Health Shellfish (administrative) closure #068-017, Off Little Creek, Sections A and B. HUC: 02080101.[effective 2005-3-08]	5A	PCB in Fish Tissue	2006	L	1.355
VACB-R01E-CB5 / Chesapeake Bay - VA portion of CBP Segment CB5MH / This assessment unit is the mainstem Chesapeake Bay portion of Chesapeake Bay Program segment CB5MH, located in the northern part of the Virginia mainstem Bay from the mouth of the Rappahannock River and northward. HUC: 02080101.	5A	PCB in Fish Tissue	2006	L	185.848
VACB-R01E-CB6N / Chesapeake Bay - Northern portion of CBP Segment CB6PH / This assessment unit is the mainstem northern portion of Chesapeake Bay Program segment CB6PH, located in the northeastern half of the Virginia Chesapeake Bay between the mouths of the James and Rappahannock Rivers. HUC: 02080101.	5A	PCB in Fish Tissue	2006	L	127.195
VACB-R01E-CB6S / Chesapeake Bay - Southern portion of CBP Segment CB6PH / This assessment unit is the mainstem southern portion of Chesapeake Bay Program segment CB6PH, located in the northeastern half of the Virginia Chesapeake Bay between the mouths of the James and Rappahannock Rivers. HUC: 02080101.	5A	PCB in Fish Tissue	2006	L	160.307
VACB-R01E-CB7N / Chesapeake Bay - Northern portion of CBP Segment CB7PH / This assessment unit is the mainstem northern portion of Chesapeake Bay Program segment CB7PH, located in the northwestern half of the Virginia Chesapeake Bay between the mouths of the James and Rappahannock Rivers. HUC: 02080101.	5A	PCB in Fish Tissue	2006	L	168.626
VACB-R01E-CB7S / Chesapeake Bay - Southern portion of CBP Segment CB7PH / This assessment unit is the mainstem southern portion of Chesapeake Bay Program segment CB7PH, located in the southwestern half of the Virginia Chesapeake Bay between the mouths of the James and Rappahannock Rivers. HUC: 02080101.	5A	PCB in Fish Tissue	2006	L	372.814
VACB-R01E-CB8 / Chesapeake Bay - CBP Segment CB8PH / This assessment unit is the mainstem portion of Chesapeake Bay Program segment CB8PH, located in the Virginia Chesapeake Bay between the mouths of the James River and mouth of Chesapeake Bay. HUC: 02080101.	5A	PCB in Fish Tissue	2006	L	141.796



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

VACB-R01E-MOB / Chesapeake Bay - CBP Segment MOBPH / This assessment unit is the mainstem Chesapeake Bay and Mobjack Bay portions of Chesapeake Bay Program segment MOBPH, located off the mouth of the York River including Mobjack Bay. HUC: 02080101.	5A	PCB in Fish Tissue	2006	L	92.951
	5A	PCB in Fish Tissue	2006	L	92.951
	5A	PCB in Fish Tissue	2006	L	92.951
	5A	PCB in Fish Tissue	2006	L	92.951
VAP-C01E_ANT01A98 / Antipoison Creek / Described in the condemnation notice 017-188A, 12/16/2014.	5A	PCB in Fish Tissue	2006	L	0.042
CB5MH					
VAP-C01E_ANT01B08 / Antipoison Creek, UT / Described in the condemnation notice 017-188C, 12/16/2014.	5A	PCB in Fish Tissue	2006	L	0.004
CB5MH					
VAP-C01E_ANT01C08 / Antipoison Creek, UT / Described in the condemnation notice 017-188B, 12/16/2014.	5A	PCB in Fish Tissue	2006	L	0.013
CB5MH					
VAP-C01E_ANT02A08 / Antipoison Creek / Downstream of condemnation notice 017-188A, 12/16/2014.	5A	PCB in Fish Tissue	2006	L	0.361
CB5MH					
VAP-C01E_ANT02B12 / Antipoison Creek / Described in condemnation notice 017-188M1, 12/16/2014.	5A	PCB in Fish Tissue	2006	L	0.007
CB5MH					
VAP-C01E_ASH01A10 / Ashleys Cove / Described in VDH-DSS condemnation 016-024D, 1/28/2005	5A	PCB in Fish Tissue	2006	L	0.056
CB5MH					
VAP-C01E_BAI01A16 / Bailey Prong / Described in VDH-DSS condemnation 013-220H, 4/1/2014.	5A	PCB in Fish Tissue	2006	L	0.052
CB5MH					
VAP-C01E_BAL01A02 / Ball Creek / VDH condemnation notice 014-5A 124B, 5/15/2001	5A	PCB in Fish Tissue	2006	L	0.080
CB5MH					
VAP-C01E_BAL02A02 / Ball Creek / From VDH-DSS SFC 014- 124B, 5/15/2001, downstream to its mouth.	5A	PCB in Fish Tissue	2006	L	0.128
CB5MH					
VAP-C01E_BAR01A98 / Barrett Creek / Described in the condemnation notice, 013-089I, 7/31/2012.	5A	PCB in Fish Tissue	2006	L	0.038
CB5MH					
VAP-C01E_BAR02A08 / Barrett Creek / Described in VDH-DSS SFC 013-089H, 7/31/2012	5A	PCB in Fish Tissue	2006	L	0.008
CB5MH					

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

VAP-C01E_BEL01A08 / Bells Creek / Described in VDH condemnation 016-057B, 12/13/2006.	iA	PCB in Fish Tissue	2006	L	0.042
CB5MH					
VAP-C01E_BLS01A02 / Balls Creek / Described in the condemnation notice 89B, 5/28/1997.	iA	PCB in Fish Tissue	2006	L	0.064
CB5MH					
VAP-C01E_BLS02A08 / Balls Creek / Portion of condemnation notice 013-089F, 4/28/2016 not included in 89B, 5/28/1997.	iA	PCB in Fish Tissue	2006	L	0.113
CB5MH					
VAP-C01E_BMC01A04 / Betts Mill Creek / Described in the VDH Shellfish Condemnation 013-089B, 4/28/2016	iA	PCB in Fish Tissue	2006	L	0.082
CB5MH					
VAP-C01E_BMS01A12 / Bush Mill Stream / Tidal limit to mouth at Great Wicomico River	iA	PCB in Fish Tissue	2006	L	0.095
CB5MH					
VAP-C01E_BRS01A08 / Barnes Creek / Tidal portion of Barnes Creek	iA	PCB in Fish Tissue	2006	L	0.331
CB5MH					
VAP-C01E_CHA01A08 / Dyer Creek, UT / Described in condemnation notice 016-024B, 12/30/2015.	iA	PCB in Fish Tissue	2006	L	0.018
CB5MH					
VAP-C01E_CHA01B12 / Chases Cove / Described in condemnation notices 016-024D, 12/30/2015	iA	PCB in Fish Tissue	2006	L	0.023
CB5MH					
VAP-C01E_CLE01A98 / Cloverdale Creek / Described in the condemnation notice 014-124A, 6/2/1997.	iA	PCB in Fish Tissue	2006	L	0.021
CB5MH					
VAP-C01E_CLE02A06 / Cloverdale Creek / Downstream of condemnation notice 014-124A, 6/2/1997.	iA	PCB in Fish Tissue	2006	L	0.055
CB5MH					
VAP-C01E_COC01A98 / Cockrell Creek / As described in VDH-DSS Shellfish Condemnation 012-002B, 9/22/2005.	iA	PCB in Fish Tissue	2006	L	0.612
CB5MH					
VAP-C01E_COC03A98 / Cockrell Creek / Described in the condemnation notice. VDH-DSS SFC 012-002C, 9/22/2005.	iA	PCB in Fish Tissue	2006	L	0.035
CB5MH					
VAP-C01E_COC04B10 / Cockrell Creek / VDH-DSS Condemnation Notice 012-002A, 9/22/2005	iA	PCB in Fish Tissue	2006	L	0.470
CB5MH					
VAP-C01E_COC05A06 / Cockrell Creek / From VDH-DSS SFC 012-	iA	PCB in Fish Tissue	2006	L	0.152

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

002A, 9/22/2005, downstream to mouth at Fleet Point.

CB5MH

VAP-C01E_COL01A08 / Coles Creek / Described in VDH-DSS SFC 013-089C, 4/28/2016	iA	PCB in Fish Tissue	2006	L	0.019
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CB5MH

VAP-C01E_CRN01A06 / Cranes Creek / Described in VDH-DSS Shellfish Condemnation 013-220C, 4/28/2016	iA	PCB in Fish Tissue	2006	L	0.019
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CB5MH

VAP-C01E_CRN01B06 / Cranes Creek / Described in VDH-DSS Shellfish Condemnation 013-220M1, 8/9/2011	iA	PCB in Fish Tissue	2006	L	0.016
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CB5MH

VAP-C01E_DIV01A98 / Dividing Creek / Described in VDH-DSS condemnation 015-022A, 5/9/2016.	iA	PCB in Fish Tissue	2006	L	0.091
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Segment expanded in the 2018 cycle.

VAP-C01E_DIV01B12 / Dividing Creek / Portion of VDH-DSS condemnation 022, 2/27/1997 open on 015-022, 5/9/2016.	5A	PCB in Fish Tissue	2006	L	0.201
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Shortened in the 2018 cycle.

CB5MH

VAP-C01E_DIV01C14 / Dividing Creek, UT / VDH-DSS condemnation 015-022G, 5/9/2016	5A	PCB in Fish Tissue	2006	L	0.009
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CB5MH

VAP-C01E_DIV03A00 / Dividing Creek / From the downstream limit of VDH-DSS SFC 022, 2/27/1997, to the mouth at Chesapeake Bay.	5A	PCB in Fish Tissue	2006	L	0.816
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CB5MH

VAP-C01E_DVN01A04 / Davenport Creek / Described in VDH Shellfish Condemnation 017-188A, 5/12/2012.	5A	PCB in Fish Tissue	2006	L	0.019
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CB5MH

VAP-C01E_DYM01A98 / Dymer Creek / Described in the condemnation notice 016-024A, 12/30/2015.	5A	PCB in Fish Tissue	2006	L	0.177
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Shrank in 2018 cycle.

CB5MH

VAP-C01E_DYM02A00 / Dymer Creek / Dymer Creek downstream of VDH-DSS SFC 016-024A 1/28/2005, to start of deep water at Grog Island unless otherwise segmented.	5A	PCB in Fish Tissue	2006	L	0.595
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CB5MH

VAP-C01E_DYM02B14 / Dymer Creek / Portion of VDH-DSS SFC 016-024A 1/28/2005 open 12/30/2015.	5A	PCB in Fish Tissue	2006	L	0.135
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Expanded in the 2018 cycle.

CB5MH

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

VAP-C01E_DYM03A06 / Dymer Creek / Mouth of Dymer Creek at Grog Island	5A	PCB in Fish Tissue	2006	L	0.090
CB5MH					
VAP-C01E_FLB01A00 / Fleets Bay / Fleets Bay north of Bluff Point at Barnes Creek south to Fleets Island.	5A	PCB in Fish Tissue	2006	L	5.187
CB5MH					
Size adjusted in 2006 cycle.					
VAP-C01E_GEO01A98 / Georges Cove / Described in condemnation notice 016-024E, 1/28/2005.	5A	PCB in Fish Tissue	2006	L	0.034
CB5MH					
VAP-C01E_GOU01A06 / Gougher Creek / Described in VDH-DSS Shellfish Condemnation 013-220G, 4/28/2016	5A	PCB in Fish Tissue	2006	L	0.036
CB5MH					
VAP-C01E_GSK01A10 / Gaskin Pond / As described in VDH-DSS condemnation 011-122A, 8/31/2016	5A	PCB in Fish Tissue	2006	L	0.061
Size reduced in the 2018 cycle.					
VAP-C01E_GWR01A98 / Great Wicomico River / Portion of condemnation notice 089A, 5/28/1997 which is not administratively closed, excluding Head River Branch and Bush Mill Stream	5A	PCB in Fish Tissue	2006	L	0.268
CB5MH					
VAP-C01E_GWR01B08 / Great Wicomico River / Blackwells Creek / Portion of condemnations 013-089A & 013-089G, 4/28/2016 not included in 089A, 5/28/1997	5A	PCB in Fish Tissue	2006	L	0.125
CB5MH					
VAP-C01E_GWR01C10 / Great Wicomico River / Portion of condemnation notice 089A, 5/28/1997 which is administratively closed	5A	PCB in Fish Tissue	2006	L	0.058
CB5MH					
VAP-C01E_GWR02A00 / Great Wicomico River / From VDH-DSS SFC 013-089A, 4/28/2016, downstream to Rogue Point unless otherwise segmented.	5A	PCB in Fish Tissue	2006	L	2.065
CB5MH					
VAP-C01E_GWR02B06 / Great Wicomico River / As described in VDH-DSS Shellfish Condemnation 013-089M2, 4/28/2018	5A	PCB in Fish Tissue	2006	L	0.017
CB5MH					
VAP-C01E_GWR02C06 / Great Wicomico River at Coles Creek / As described in VDH-DSS Shellfish Condemnation 013-089M1, 4/28/2016	5A	PCB in Fish Tissue	2006	L	0.008
CB5MH					
VAP-C01E_GWR02D12 / Great Wicomico River / VDH-DSS SFC 013-089M3, 4/28/2016	5A	PCB in Fish Tissue	2006	L	0.008

CB5MH

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

VAP-C01E\_GWR02E16 / Great Wicomico River, UT / Described in iA PCB in Fish Tissue 2006 L 0.033  
VDH-DSS condemnation 013-089H, 4/28/2016

CB5MH

VAP-C01E\_GWR03A06 / Great Wicomico River / From Rogue iA PCB in Fish Tissue 2006 L 5.800  
Point (GWR02A00) downstream to Ingram Bay at Dameron Marsh.

CB5MH

VAP-C01E\_GWR03B16 / Great Wicomico River / Described in VDH-iA PCB in Fish Tissue 2006 L 0.004  
DSS condemnation 013-220F, 4/28/2016

CB5MH

VAP-C01E\_HAP01B10 / Harpers Creek / Described in the iA PCB in Fish Tissue 2006 L 0.022  
condemnation notice 017-188M2, 12/16/2014.

CB5MH

VAP-C01E\_HAV01A08 / Harveys Creek / Described in VDH iA PCB in Fish Tissue 2006 L 0.045  
Shellfish Condemnation 014-123B, 5/9/2016.

CB5MH

VAP-C01E\_HEN01A00 / Henrys Creek / Described in VDH iA PCB in Fish Tissue 2006 L 0.017  
condemnation 016-057D, 12/19/2016.

Shrank in the 2018 cycle.

CB5MH

VAP-C01E\_HEN01B14 / Henrys Creek / Portion of VDH iA PCB in Fish Tissue 2006 L 0.053  
condemnation 016-057C, 1/28/2005 open on 12/19/2016.

Expanded in the 2018 cycle.

CB5MH

VAP-C01E\_HEN02A14 / Henrys Creek / Downstream of 016-057C, iA PCB in Fish Tissue 2006 L 0.103  
1/28/2005

CB5MH

VAP-C01E\_HHB01A98 / Horn Harbor / Described in the iA PCB in Fish Tissue 2006 L 0.071  
condemnation notice 013-089D, 4/28/2016.

CB5MH

VAP-C01E\_HNT01A98 / Hunts Cove / Described in the iA PCB in Fish Tissue 2006 L 0.040  
condemnation notice 016-024B, 1/28/2005.

CB5MH

VAP-C01E\_HRB01A12 / Head River Branch / Tidal limit to mouth at iA PCB in Fish Tissue 2006 L 0.020  
Bush Mill Stream.

CB5MH

VAP-C01E\_IND01A98 / Indian Creek / VDH-DSS condemnation iA PCB in Fish Tissue 2006 L 0.147  
notice 016-057E, 12/19/2016 (not administratively condemned) and  
016-057C, 12/19/2016

Shrank in the 2018 cycle.

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

CB5MH

VAP-C01E_IND01B10 / Indian Creek / VDH-DSS condemnation notice 016-057A, 12/19/2016 (administratively condemned).	iA	PCB in Fish Tissue	2006	L	0.037
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CB5MH

VAP-C01E_IND01C10 / Indian Creek / Downstream portion of condemnation notice 016-057A, 12/13/2006 open on 12/19/2016.	iA	PCB in Fish Tissue	2006	L	0.137
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CB5MH

VAP-C01E_IND01D14 / Indian Creek / Described in condemnation notice 016-057M2, 12/19/2016.	5A	PCB in Fish Tissue	2006	L	0.131
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Expanded upstream in the 2018 cycle.

CB5MH

VAP-C01E_IND01E16 / Indian Creek / Portion of condemnation notice 016-057A, 12/28/2012 that is open 12/19/2016.	5A	PCB in Fish Tissue	2006	L	0.040
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CB5MH

VAP-C01E_IND02A98 / Indian Creek / Described in the condemnation notice 016-057F, 12/19/2016.	5A	PCB in Fish Tissue	2006	L	0.015
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CB5MH

VAP-C01E_IND03A00 / Indian Creek / Indian Creek from end of condemnation 016-057A, 12/13/2006, downstream to mouth unless otherwise segmented.	5A	PCB in Fish Tissue	2006	L	0.600
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CB5MH

VAP-C01E_IND03B06 / Indian Creek / As described in VDH-DSS Seasonal Shellfish Condemnation 016-057M1, 12/19/2016	5A	PCB in Fish Tissue	2006	L	0.017
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CB5MH

VAP-C01E_JAR01A02 / Jarvis Creek, UT / As described in the condemnation notice 015-022F, 5/5/2014.	5A	PCB in Fish Tissue	2006	L	0.026
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CB5MH

VAP-C01E_JAR01B08 / Jarvis Creek / As described in VDH-DSS condemnation 015-022H, 5/9/2016.	5A	PCB in Fish Tissue	2006	L	0.016
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CB5MH

VAP-C01E_JAR02A10 / Jarvis Creek / Downstream of VDH condemnations	5A	PCB in Fish Tissue	2006	L	0.200
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CB5MH

VAP-C01E_JOH01A06 / Johnson Creek / As described in VDH-DSS SFC 016-024C, 12/30/2015	5A	PCB in Fish Tissue	2006	L	0.029
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CB5MH

VAP-C01E_LEE01A02 / Lees Cove / As described in the condemnation notice 016-024C, 1/28/2005	5A	PCB in Fish Tissue	2006	L	0.015
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CB5MH

VAP-C01E_LEE02A12 / Lees Cove / Portion of VDH-DSS SFC 016-5A	5A	PCB in Fish Tissue	2006	L	0.010
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# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

024B, 12/16/2014 not impaired in 016-024C, 1/28/2005.

CB5MH

VAP-C01E_LOC01A08 / Long Creek / Described in VDH condemnation 016-057D, 12/13/2006.	iA	PCB in Fish Tissue	2006	L	0.017
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CB5MH

VAP-C01E_LRC01A12 / Lawrence Cove / Described in the VDH- DSS condemnation 015-022B, 5/9/2016.	iA	PCB in Fish Tissue	2006	L	0.744
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Shortened slightly in the 2018 cycle.

CB5MH

VAP-C01E_LTB01A02 / Little Bay / Little Bay	iA	PCB in Fish Tissue	2006	L	1.178
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CB5MH

VAP-C01E_LTM01A98 / Little Taskmakers Creek / Described in the condemnation notice 011-190B, 7/24/2014.	iA	PCB in Fish Tissue	2006	L	0.049
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CB5MH

VAP-C01E_MIL01A98 / Mill Creek / Described in the condemnation notice 123, 6/2/1997	iA	PCB in Fish Tissue	2006	L	0.241
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CB5MH

VAP-C01E_MIL01B06 / Mill Creek / Mouth of Mill Creek at Ingram Bay	5A	PCB in Fish Tissue	2006	L	1.173
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CB5MH

VAP-C01E_MIL02A08 / Mill Creek / Portion of VDH Condemnation 014-123A, 5/9/2016 not included in the notice 123, 6/2/1997	5A	PCB in Fish Tissue	2006	L	0.135
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CB5MH

VAP-C01E_MIL03A08 / Mill Creek / Middle Mill Creek downstream of condemnation to Ingrams Bay	5A	PCB in Fish Tissue	2006	L	0.356
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CB5MH

VAP-C01E_NPC01A16 / Natty Point Cove / Described in VDH-DSS condemnation 015-022C, 5/9/2016.	5A	PCB in Fish Tissue	2006	L	0.018
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CB5MH

VAP-C01E_OHC01A08 / Old House Cove / Described in VDH-DSS SFC 015-022F, 5/9/2016.	5A	PCB in Fish Tissue	2006	L	0.024
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CB5MH

VAP-C01E_OWP01A98 / Owens Pond / Downstream of VDH-DSS condemnations 011-122B and 011-122C, 8/31/2016.	5A	PCB in Fish Tissue	2006	L	0.076
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CB5MH

VAP-C01E_OWP02B12 / Owens Pond / VDH-DSS condemnation 011-122B, 8/31/2016.	5A	PCB in Fish Tissue	2006	L	0.037
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CB5MH

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

VAP-C01E\_OWP02C12 / Owens Pond / VDH-DSS condemnation 011-122C, 8/31/2016. iA PCB in Fish Tissue 2006 L 0.073

CB5MH

VAP-C01E\_OYS01A08 / Oyster Creek / Described in VDH condemnation 018-053A, 1/4/2005 iA PCB in Fish Tissue 2006 L 0.103

CB5MH

VAP-C01E\_PEN01A12 / Penny Creek / Described in VDH-DSS Condemnation 013-220D, 4/28/2016 iA PCB in Fish Tissue 2006 L 0.009

CB5MH

VAP-C01E\_PIT01A14 / Pitmans Cove / Described in condemnation notice 016-057B, 12/19/2016. iA PCB in Fish Tissue 2006 L 0.035

CB5MH

VAP-C01E\_PNT02A02 / Prentice Creek / Downstream of DSS condemnation 015-022E, 5/9/2016 to its mouth. iA PCB in Fish Tissue 2006 L 0.159

CB5MH

VAP-C01E\_PNT02B10 / Prentice Creek / Downstream limit of DSS condemnation 022C & D, 2/27/1997 to limit of 015-022E, 5/9/2016. iA PCB in Fish Tissue 2006 L 0.014

CB5MH

VAP-C01E\_PNT03A02 / Prentice Creek / Described in condemnation notice 022D, 2/27/1997. iA PCB in Fish Tissue 2006 L 0.015

CB5MH

VAP-C01E\_REA01A10 / Reason Creek / Described in VDH-DSS condemnation 013-220C, 8/23/2010 iA PCB in Fish Tissue 2006 L 0.025

CB5MH

VAP-C01E\_TBS01A14 / Tabbs Creek, UT / Described in VDH-DSS condemnation notice 016-133B, 12/28/2012 iA PCB in Fish Tissue 2006 L 0.016

CB5MH

VAP-C01E\_TBS01A98 / Tabbs Creek / Described in VDH-DSS condemnation notice 016-133A, 12/19/2016 iA PCB in Fish Tissue 2006 L 0.054

Segment shrunk in the 2018 cycle.

CB5MH

VAP-C01E\_TBS01B10 / Tabbs Creek / Portion of the condemnation notice 016-133A, 12/13/2006 open on 12/19/2016. iA PCB in Fish Tissue 2006 L 0.123

Size increased in the 2018 cycle.

CB5MH

VAP-C01E\_TBS02A00 / Tabbs Creek / Tabbs Creek downstream of VDH-DSS SFC 016-133, 12/13/2006. iA PCB in Fish Tissue 2006 L 0.175



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

CB5MH

Size adjusted in 2006 cycle.

VAP-C01E_TIP01A98 / Tipers Creek / Described in the condemnation notice 89C, 5/28/1997	5A	PCB in Fish Tissue	2006	L	0.083
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CB5MH

VAP-C01E_TIP02A08 / Tipers Creek / Portion of condemnation notice 013-089E, 4/28/2016 not included in 89C, 5/28/1997	5A	PCB in Fish Tissue	2006	L	0.039
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CB5MH

VAP-C01E_TOW01A06 / Towles Creek / Described in VDH-DSS Shellfish Condemnation 014-123M1, 5/9/2016.	5A	PCB in Fish Tissue	2006	L	0.027
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CB5MH

VAP-C01E_TSK01A14 / Taskmakers Creek / As described in VDH- DSS condemnation 011-190C, 10/10/2012	5A	PCB in Fish Tissue	2006	L	0.021
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CB5MH

VAP-C01E_WCO01A98 / Warehouse Creek / Described in the condemnation notice 89E, 5/28/1997	5A	PCB in Fish Tissue	2006	L	0.069
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CB5MH

VAP-C01E_WCO02A08 / Warehouse Creek / Portion of VDH condemnation notice 013-220A, 4/28/2016 not included in 89E, 5/28/1997	5A	PCB in Fish Tissue	2006	L	0.008
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CB5MH

VAP-C01E_WHY01A98 / Whays Creek / Described in the condemnation notice 089D, 4/3/2002	5A	PCB in Fish Tissue	2006	L	0.041
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CB5MH

VAP-C01E_WHY03A10 / Whays Creek / Downstream of condemnation notice 089D, 4/3/2002.	5A	PCB in Fish Tissue	2006	L	0.099
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CB5MH

VAP-C01E_XDL01A02 / XDL - Chesapeake Bay, UT (aka Big Fleets Pond) / As described in condemnation notice 011-190A, 7/24/2014.	5A	PCB in Fish Tissue	2006	L	0.018
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CB5MH

VAP-C01E_XDZ01A10 / XDZ - Mill Creek, UT (Gascony Cove) / Tidal limit to mouth at Mill Creek	5A	PCB in Fish Tissue	2006	L	0.028
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VAP-C01E_XEO01A10 / XEO - Reason Creek, UT / Described in VDH-DSS Condemnation 013-220E, 4/28/2016	5A	PCB in Fish Tissue	2006	L	0.001
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CB5MH

VAP-C01E_XES01A12 / XES - Dividing Creek, UT / Described in the VDH-DSS condemnation 015-022D, 5/9/2016.	5A	PCB in Fish Tissue	2006	L	0.029
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CB5MH

VAP-C01E_XEU01A02 / XEU - Prentice Creek, UT / Described in the condemnation notice 022C, 2/27/1997	5A	PCB in Fish Tissue	2006	L	0.011
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# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

CB5MH

VAP-C01E_XEV01A12 / XEV - Mill Creek, UT / Described in VDH-DSS condemnation 014-123C, 5/9/2016.	5A	PCB in Fish Tissue	2006	L	0.007
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CB5MH

VAP-C01E_XEW01A14 / XEW - Chesapeake Bay, UT / Tidal limit to mouth	5A	PCB in Fish Tissue	2006	L	0.022
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VAP-C01E_XFC02C12 / XFC - Antipoison Creek, UT / Described in VDH-DSS condemnation 017-188D, 12/16/2014.	5A	PCB in Fish Tissue	2006	L	0.002
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CB5MH

VAP-C01E_XUC01A98 / XUC - Dividing Creek, UT / Described in the condemnation notice 015-022C, 4/17/2008.	5A	PCB in Fish Tissue	2006	L	0.013
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CB5MH

VAP-C01E_ZZZ01B14 / Unsegmented estuaries in C01 / Unsegmented portion of watershed CB03.	5A	PCB in Fish Tissue	2006	L	0.058
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CB5MH

VAP-C01E_ZZZ01C14 / Unsegmented estuaries in C01 / Unsegmented portion of watershed CB04.	5A	PCB in Fish Tissue	2006	L	0.823
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CB5MH

VAP-C01E_ZZZ01D14 / Unsegmented estuaries in C01 / Unsegmented portion of watershed CB05.	5A	PCB in Fish Tissue	2006	L	0.034
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CB5MH

VAP-C02E_DRN01A02 / Dragon Swamp / The tidal portion of Dragon Swamp to its mouth at the Piankatank River.	5A	PCB in Fish Tissue	2006	L	0.823
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PIAMH

VAP-C03E_COB02C10 / Cobbs Creek / Described in VDH-DSS condemnation 034-126B, 11/12/2014	5A	PCB in Fish Tissue	2006	L	0.086
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PIAMH

VAP-C03E_COR01A08 / Cores Creek / Described in VDH-DSS condemnation 034-208D, 11/21/2016.	5A	PCB in Fish Tissue	2006	L	0.018
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PIAMH

VAP-C03E_DAN01A08 / Dancing Creek / Described in VDH condemnation 025-076C, 11/21/2016	5A	PCB in Fish Tissue	2006	L	0.034
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PIAMH

VAP-C03E_FER01A98 / Ferry Creek / Described in the condemnation notice 035-076B, 11/21/2016.	5A	PCB in Fish Tissue	2006	L	0.125
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Expanded in the 2018 cycle.

PIAMH

VAP-C03E_FRE01A02 / Frenchs Creek / As described in the condemnation notice 035-076D, 11/12/2016.	5A	PCB in Fish Tissue	2006	L	0.010
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PIAMH

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

VAP-C03E_HEA01A02 / Healy Creek / Described in the VDH-DSS Shellfish Condemnation Notice 034-208C, 11/21/2016	iA	PCB in Fish Tissue	2006	L	0.071
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PIAMH

VAP-C03E_HRP01A98 / Harper Creek / Described in the condemnation notice 076B, 6/10/1997.	iA	PCB in Fish Tissue	2006	L	0.062
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PIAMH

VAP-C03E_JCK01A98 / Jackson Creek / Described in the condemnation notice 84A, 11/1/1996	iA	PCB in Fish Tissue	2006	L	0.019
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PIAMH

VAP-C03E_JCK01B08 / Jackson Creek / Described in the condemnation notice 033-084B, 11/12/2014.	5A	PCB in Fish Tissue	2006	L	0.013
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PIAMH

VAP-C03E_JCK01B14 / Jackson Creek / Portion of condemnation notice 84B, 11/1/1996 within 033-084M1, 11/12/2014.	5A	PCB in Fish Tissue	2006	L	0.003
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PIAMH

VAP-C03E_JCK01C08 / Jackson Creek / Portion of condemnation notice 033-084A, 11/12/2014 not included in 84A, 11/1/1996	5A	PCB in Fish Tissue	2006	L	0.002
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PIAMH

VAP-C03E_JCK01C14 / Jackson Creek, UT / Described in VDH-DSS condemnation notice 033-084C, 11/12/2014.	5A	PCB in Fish Tissue	2006	L	0.033
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PIAMH

VAP-C03E_JCK02B16 / Jackson Creek / Described in VDH-DSS condemnation notice 033-084E, 11/12/2014.	5A	PCB in Fish Tissue	2006	L	0.011
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PIAMH

VAP-C03E_JCK02C10 / Jackson Creek / Portion of VDH-DSS condemnation notice 033-084M1, 11/12/2014 not included in 084B, 11/1/1996.	5A	PCB in Fish Tissue	2006	L	0.212
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PIAMH

VAP-C03E_JCK03C10 / Jackson Creek / Described in condemnation notice 033-084D, 11/12/2014	5A	PCB in Fish Tissue	2006	L	0.013
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PIAMH

VAP-C03E_MRE01A02 / Moore Creek / As described in the condemnation notice 034-208A, 11/21/2016.	5A	PCB in Fish Tissue	2006	L	0.040
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Size reduced in the 2018 cycle.

PIAMH

VAP-C03E_PNK01A02 / Piankatank River / Portions of VDH-DSS condemnation 035-076A, 11/21/2016 open on 6/10/1997. Segment ends at Deep Point Boat Landing.	5A	PCB in Fish Tissue	2006	L	0.558
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Expanded in the 2018 cycle.

PIAMH

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

VAP-C03E_PNK01A98 / Piankatank River / Watershed limit (start of Piankatank River) downstream to limit of SFC 035-076A, 6/10/1997.	IA	PCB in Fish Tissue	2006	L	1.280
PIAMH					
VAP-C03E_PNK02A00 / Piankatank River / Mainstem Piankatank from Deep Point Boat Landing downstream to PNK03A00, excluding the Berkley Island area.	IA	PCB in Fish Tissue	2006	L	4.007
PIAMH					
VAP-C03E_PNK02B08 / Piankatank River / Bend around Berkley Island	IA	PCB in Fish Tissue	2006	L	0.785
PIAMH					
VAP-C03E_PNK03A00 / Piankatank River / One-half mile radius around monitoring station 7-PNK005.36 on the Piankatank River between Pond Point and Iron Point.	IA	PCB in Fish Tissue	2006	L	1.167
PIAMH					
VAP-C03E_PNK04A00 / Piankatank River / Mainstem Piankatank River from PNK03A00 downstream to the point at Fishing Bay.	IA	PCB in Fish Tissue	2006	L	3.528
PIAMH					
VAP-C03E_PNK04B06 / Piankatank River / As described in VDH-DSS SFC 034-208M1, 11/21/2016.	IA	PCB in Fish Tissue	2006	L	0.040
PIAMH					
VAP-C03E_PNK04C06 / Piankatank River, Fishing Bay / As described in VDH-DSS SFC 034-208 M2, 11/21/2016.	IA	PCB in Fish Tissue	2006	L	0.085
PIAMH					
VAP-C03E_PNK04D08 / Porpoise Cove / As described in VDH-DSS SFC 034-208B, 11/21/2016	IA	PCB in Fish Tissue	2006	L	0.011
PIAMH					
VAP-C03E_PNK05A02 / Piankatank River / Piankatank River downstream of Fishing Bay at Stove Point to mouth at Chesapeake Bay	IA	PCB in Fish Tissue	2006	L	4.942
PIAMH					
VAP-C03E_PNK07B08 / Piankatank River, UT / Described in VDH-DSS SFC 034-126C, 11/12/2014.	IA	PCB in Fish Tissue	2006	L	0.007
PIAMH					
VAP-C03E_PNK08B08 / Piankatank River, UT / Described in VDH-DSS SFC 034-126D, 11/12/2014	IA	PCB in Fish Tissue	2006	L	0.003
PIAMH					
VAP-C03E_WLT01A98 / Wilton Creek / Described in the condemnation notice 034-126A, 11/12/2014	IA	PCB in Fish Tissue	2006	L	0.134
PIAMH					
VAP-C03E_ZZZ01B14 / Unsegmented estuaries in C03 / Unsegmented portion of watershed CB11.	IA	PCB in Fish Tissue	2006	L	0.175

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

### PIAMH

VAP-C04E_BEV01A08 / Belleville Creek / Described in VDH Shellfish Condemnation 042-157B, 5/27/2015.	iA	PCB in Fish Tissue	2006	L	0.037
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### MOBPH

VAP-C04E_BKA01A98 / Back Creek / Described in VDH condemnation notice 042-157C, 5/27/2015	iA	PCB in Fish Tissue	2006	L	0.071
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### MOBPH

VAP-C04E_BKA01B12 / Back Creek / Portion of VDH condemnation notice 157C, 6/3/1997 open on 5/27/2015	5A	PCB in Fish Tissue	2006	L	0.014
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### MOBPH

VAP-C04E_BLL01A16 / Billups Creek / Portion of condemnation notice 204, 4/4/1997 open 1/31/2014.	5A	PCB in Fish Tissue	2006	L	0.017
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### PIAMH

VAP-C04E_BLL01A98 / Billups Creek / Described in the condemnation notice 037-061B, 1/31/2014.	5A	PCB in Fish Tissue	2006	L	0.029
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### PIAMH

VAP-C04E_BLL02A16 / Billups Creek / Billups Creek not otherwise segmented.	5A	PCB in Fish Tissue	2006	L	0.312
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### PIAMH

VAP-C04E_BLL02C12 / Billups Creek / Described in condemnation notice 037-061M3, 2/16/2016.	5A	PCB in Fish Tissue	2006	L	0.005
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### PIAMH

VAP-C04E_BLW01A98 / Blackwater Creek / Described in the condemnation notice 042-131A, 6/3/1997.	5A	PCB in Fish Tissue	2006	L	0.101
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### MOBPH

VAP-C04E_BOR01A18 / Borum Creek / Described in VDH-DSS condemnation 039-026C, 3/7/2016.	5A	PCB in Fish Tissue	2006	L	0.028
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### CB6PH

VAP-C04E_BRN01A04 / Barn Creek / Described in VDH-DSS condemnation notice 036-197C, 2/16/2016.	5A	PCB in Fish Tissue	2006	L	0.020
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### PIAMH

VAP-C04E_BUR01A00 / Burke Mill Stream / From extent of tide to North River	5A	PCB in Fish Tissue	2010	L	0.025
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### MOBPH

VAP-C04E_DAV01A98 / Davis Creek / Described in the condemnation notice 042-131C, 6/30/2016.	5A	PCB in Fish Tissue	2006	L	0.012
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Size reduced in the 2018 cycle.

### MOBPH

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

VAP-C04E_DAV02A14 / Davis Creek, UT / Described in VDH-DSS condemnation 042-131B, 7/12/2012.	iA	PCB in Fish Tissue	2006	L	0.024
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### MOBPH

VAP-C04E_DOC01A98 / Doctors Creek / Portion of VDH condemnation notice 26B, 2/25/1997 open in 039-026, 3/7/2016.	iA	PCB in Fish Tissue	2006	L	0.010
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### CB6PH

VAP-C04E_DOC01B14 / Doctors Creek / Described in VDH-DSS condemnation notice 039-026B, 3/7/2016.	iA	PCB in Fish Tissue	2006	L	0.005
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### CB6PH

VAP-C04E_DVS01A98 / Davis Creek / Described in the condemnation notice 040-085B, 9/29/2015.	5A	PCB in Fish Tissue	2006	L	0.006
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### MOBPH

VAP-C04E_DVS01B08 / Davis Creek / Described in the condemnation notice 040-085M2, 9/21/2010.	5A	PCB in Fish Tissue	2006	L	0.011
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### MOBPH

VAP-C04E_DVS02A12 / Davis Creek / Described in the condemnation notice 040-085M1, 9/29/2015.	5A	PCB in Fish Tissue	2006	L	0.011
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### MOBPH

VAP-C04E_DVS03A12 / Davis Creek / Described in VDH-DSS condemnation 040-085A, 9/29/2015	5A	PCB in Fish Tissue	2006	L	0.009
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### MOBPH

VAP-C04E_DYE01A08 / Dyer Creek / Described in VDH-DSS Condemnation 039-100A, 2/24/2011.	5A	PCB in Fish Tissue	2006	L	0.015
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### CB6PH

VAP-C04E_DYE02A04 / Dyer Creek / Downstream limit of condemnation to mouth.	5A	PCB in Fish Tissue	2006	L	0.272
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### CB6PH

VAP-C04E_EDW01A98 / Edwards Creek / Portion of VDH condemnation notice 197A, 1/21/1997 open in 036-197, 2/16/2016.	5A	PCB in Fish Tissue	2006	L	0.006
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Segment split in the 2018 cycle.

### PIAMH

VAP-C04E_EDW01B18 / Edwards Creek / Described in VDH condemnation notice 036-197D, 2/16/2016.	5A	PCB in Fish Tissue	2006	L	0.021
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### PIAMH

VAP-C04E_EDW02A98 / Edwards Creek / Described in the condemnation notice 036-197B, 1/21/1997.	5A	PCB in Fish Tissue	2006	L	0.047
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### PIAMH

VAP-C04E_ELM01A98 / Elmington Creek / Described in the condemnation notice 157B, 6/3/1997.	5A	PCB in Fish Tissue	2006	L	0.023
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### MOBPH

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

VAP-C04E_ELM01B08 / Elmington Creek / Portion of VDH condemnation notice 042-157D, 5/27/2015 not included in 157B, 6/3/1997.	5A	PCB in Fish Tissue	2006	L	0.009
MOBPH					
VAP-C04E_EST01A98 / East River / Described in the condemnation notice 92, 1/3/1995.	5A	PCB in Fish Tissue	2006	L	0.198
MOBPH					
VAP-C04E_EST01B10 / East River / Portion of condemnation notice 041-092A, 9/30/2016 open in 92, 1/3/1995.	5A	PCB in Fish Tissue	2006	L	0.101
MOBPH					
VAP-C04E_EST01D10 / East River, UT / Described in the condemnation notice 041-092C, 12/16/2010.	5A	PCB in Fish Tissue	2006	L	0.023
MOBPH					
VAP-C04E_EST02A00 / East River / East River from SFC 92 to mouth, not otherwise segmented.	5A	PCB in Fish Tissue	2006	L	2.519
MOBPH					
VAP-C04E_EST03A06 / East River, UT / Described in VDH-DSS SFC 041-212M1, 9/30/2016.	5A	PCB in Fish Tissue	2006	L	0.016
MOBPH					
VAP-C04E_EST04A02 / East River, UT / As described in condemnation notice 041-212B, 9/30/2016.	5A	PCB in Fish Tissue	2006	L	0.026
MOBPH					
VAP-C04E_EST05A06 / East River, UT (aka Mill Creek) / Described in VDH-DSS SFC 041-212M2, 9/25/2014.	5A	PCB in Fish Tissue	2006	L	0.010
MOBPH					
VAP-C04E_EST06A08 / East River, UT / Described in VDH Shellfish Condemnation 041-212G, 10/25/2005.	5A	PCB in Fish Tissue	2006	L	0.020
MOBPH					
VAP-C04E_EST07A08 / East River, UT / Described in VDH Shellfish Condemnation 041-212C, 9/30/2016.	5A	PCB in Fish Tissue	2006	L	0.014
MOBPH					
VAP-C04E_EST08A08 / East River, UT / Described in VDH Shellfish Condemnation 041-212E, 9/30/2016.	5A	PCB in Fish Tissue	2006	L	0.004
MOBPH					
VAP-C04E_GDN01A06 / Garden Creek / Tidal limit to mouth.	5A	PCB in Fish Tissue	2006	L	0.373
CB6PH					
VAP-C04E_GRE01A08 / Greenmansion Cove / Described in VDH-DSS condemnation notice 042-131E, 6/12/2014.	5A	PCB in Fish Tissue	2006	L	0.027
MOBPH					
VAP-C04E_GRE01B10 / Greenmansion Cove / Portion of VDH-	5A	PCB in Fish Tissue	2006	L	0.027

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

DSS condemnation notice 042-131M1, 6/30/2016 not included in 042-131E, 6/12/2014.

### MOBPH

VAP-C04E_HAH01A98 / Horn Harbor / Described in VDH condemnation notices 039-026A and -026E, 3/7/2016.	5A	PCB in Fish Tissue	2006	L	0.146
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Size increased in the 2018 cycle.

### CB6PH

VAP-C04E_HAH02A02 / Horn Harbor / From VDH-DSS condemnation 26A, 2/25/1997 downstream to the mouth, unless otherwise segmented.	5A	PCB in Fish Tissue	2006	L	1.474
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### CB6PH

VAP-C04E_HAH02B12 / Horn Harbor, UT / Described in VDH-DSS condemnation 039-026M2, 3/7/2016.	5A	PCB in Fish Tissue	2006	L	0.004
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### CB6PH

VAP-C04E_HAH02C12 / Horn Harbor / Portion of VDH-DSS condemnation 26A, 2/25/1997 open in the 039-026, 3/7/2016 condemnation.	5A	PCB in Fish Tissue	2006	L	0.054
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Size reduced in the 2018 cycle.

### CB6PH

VAP-C04E_HAH02D18 / Horn Harbor, UT / Described in VDH-DSS condemnation 039-026D, 3/7/2016.	5A	PCB in Fish Tissue	2006	L	0.005
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### CB6PH

VAP-C04E_HAH03A06 / Horn Harbor / Described in VDH-DSS SFC 039-026M1, 3/7/2016.	5A	PCB in Fish Tissue	2006	L	0.035
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Size decreased in the 2018 cycle.

### CB6PH

VAP-C04E_HAH04A06 / Horn Harbor, UT (Jacks Creek) / Described in VDH Shellfish Condemnation 039-100M1, 3/6/2013.	5A	PCB in Fish Tissue	2006	L	0.016
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### CB6PH

VAP-C04E_HKC01A08 / Hickorynut Cove / Tidal limit to mouth at Milford Haven	5A	PCB in Fish Tissue	2006	L	0.023
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### PIAMH

VAP-C04E_HUD01A08 / Hudgins Creek / Described in VDH-DSS Condemnation 037-061D, 2/7/2012	5A	PCB in Fish Tissue	2006	L	0.016
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### PIAMH

VAP-C04E_LAN01A02 / Lanes Creek / As described in condemnation notice 037-099E, 1/31/2014.	5A	PCB in Fish Tissue	2006	L	0.020
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### PIAMH

VAP-C04E_LAN01B08 / Lanes Creek, UT / Described in VDH Shellfish Condemnation 037-099C, 2/16/2016.	5A	PCB in Fish Tissue	2006	L	0.002
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# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

### PIAMH

VAP-C04E_MID01A02 / Winder Creek / As described in the condemnation notice 037-099B, 2/16/2016.	5A	PCB in Fish Tissue	2006	L	0.025
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### PIAMH

VAP-C04E_MIS01A04 / Miles Creek / Described in VDH Condemnation Notice 041-212D, 9/30/2016.	5A	PCB in Fish Tissue	2006	L	0.030
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### MOBPH

VAP-C04E_MLF01A98 / Milford Haven / Described in the condemnation notice 036-197A, 2/16/2016.	5A	PCB in Fish Tissue	2006	L	0.029
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### PIAMH

VAP-C04E_MLF02A98 / Milford Haven / Described in the condemnation notice 036-197E, 2/16/2016.	5A	PCB in Fish Tissue	2006	L	0.030
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### PIAMH

VAP-C04E_MLF03A00 / Milford Haven / Downstream of SFC 036-197, 2/16/2016 except as otherwise segmented.	5A	PCB in Fish Tissue	2006	L	1.411
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### PIAMH

VAP-C04E_MLF04A06 / Milford Haven / Hills Bay	5A	PCB in Fish Tissue	2006	L	2.283
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### PIAMH

VAP-C04E_MLF05A06 / Milford Haven / Described in VDH-DSS condemnation 036-197M1, 2/16/2016.	5A	PCB in Fish Tissue	2006	L	0.041
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### PIAMH

VAP-C04E_MRC01A98 / Morris Creek / Described in condemnation notice 61B, 4/4/1997.	5A	PCB in Fish Tissue	2006	L	0.034
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### PIAMH

VAP-C04E_NOR01A02 / North River / Described in condemnation notice 042-157A, 5/27/2015, excluding tidal Burke Mill Stream.	5A	PCB in Fish Tissue	2006	L	0.250
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Split in the 2018 cycle.

### MOBPH

VAP-C04E_NOR01B08 / North River / Portion of condemnation notice 042-157A, 6/21/2013 not included on the 6/3/1997 condemnation	5A	PCB in Fish Tissue	2006	L	0.135
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### MOBPH

VAP-C04E_NOR01C18 / North River / Portion of condemnation notice 157A, 6/3/1997 open 5/27/2015.	5A	PCB in Fish Tissue	2006	L	0.067
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### MOBPH

VAP-C04E_NOR02A02 / North River / North River and tribs from SFC 157A to Mobjack Bay, except as otherwise segmented.	5A	PCB in Fish Tissue	2006	L	5.392
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### MOBPH

VAP-C04E_OAK01A08 / Oakland Creek / Described in the	5A	PCB in Fish Tissue	2006	L	0.030
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# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

condemnation notice 042-131B, 6/12/2014.

### MOBPH

VAP-C04E_PEP01A06 / Pepper Creek / As described in the condemnation notice 040-085B, 9/26/2006.	iA	PCB in Fish Tissue	2006	L	0.031
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### MOBPH

VAP-C04E_PUT01A98 / Put In Creek / Portion of VDH-DSS condemnation notice 041-005A, 9/29/2015 not included in 5B, 6/5/1996.	iA	PCB in Fish Tissue	2006	L	0.095
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Expanded slightly in the 2018 cycle.

### MOBPH

VAP-C04E_PUT01C10 / Put In Creek / Portion of condemnation notice 5A, 6/5/1996 open on 041-005, 9/29/2015.	5A	PCB in Fish Tissue	2006	L	0.032
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Shrank in the 2018 cycle.

### MOBPH

VAP-C04E_PUT01D16 / Put In Creek / Described in condemnation notice 041-005B, 9/29/2015.	5A	PCB in Fish Tissue	2006	L	0.005
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### MOBPH

VAP-C04E_PUT02A98 / Put In Creek / Described in the condemnation notice 5B, 6/5/1996.	5A	PCB in Fish Tissue	2006	L	0.021
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### MOBPH

VAP-C04E_QUE01A98 / Queens Creek / Described in condemnation notices 037-099A, 2/16/2016.	5A	PCB in Fish Tissue	2006	L	0.063
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Size reduced in the 2018 cycle.

### PIAMH

VAP-C04E_QUE01B10 / Queens Creek / Described in condemnation notices 037-099M1, 2/16/2016.	5A	PCB in Fish Tissue	2006	L	0.031
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### PIAMH

VAP-C04E_QUE01C10 / Queens Creek / Below condemnation notices 99A, 4/7/1997 and 037-099, 2/16/2016	5A	PCB in Fish Tissue	2006	L	0.061
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### PIAMH

VAP-C04E_QUE01D12 / Queens Creek / Portion of condemnation notice 99A, 4/9/1997 not included in 037-099A, 2/16/2016.	5A	PCB in Fish Tissue	2006	L	0.100
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Expanded in the 2018 cycle.

### PIAMH

VAP-C04E_QUE02A12 / Queens Creek, UT / Described in condemnation notice 037-099C, 1/31/2014.	5A	PCB in Fish Tissue	2006	L	0.019
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### PIAMH

VAP-C04E_RAN01A08 / Raines Creek / VDH Shellfish Condemnation 041-212I, 10/25/2005	5A	PCB in Fish Tissue	2006	L	0.039
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# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

MOBPH

VAP-C04E_RAY01A12 / Raymond Creek / Described in VDH-DSS condemnation 042-131B, 6/30/2016.	5A	PCB in Fish Tissue	2006	L	0.026
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MOBPH

VAP-C04E_SLO01A08 / Sloop Creek / Tidal extent of Sloop Creek.	5A	PCB in Fish Tissue	2006	L	0.050
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MOBPH

VAP-C04E_STO01A08 / Stoakes Creek / Described in VDH Shellfish Condemnation 037-061M1, 2/16/2016.	5A	PCB in Fish Tissue	2006	L	0.006
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PIAMH

VAP-C04E_STO01B14 / Stoakes Creek / Tidal limit to mouth unless otherwise segmented.	5A	PCB in Fish Tissue	2006	L	0.289
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PIAMH

VAP-C04E_STT01A14 / Stutts Creek / Portion of condemnation notice 061A, 4/4/1997 open 2/16/2016.	5A	PCB in Fish Tissue	2006	L	0.028
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Expanded in the 2018 cycle.

PIAMH

VAP-C04E_STT01A98 / Stutts Creek / Described in condemnation notice 037-061A and -061B, 2/16/2016.	5A	PCB in Fish Tissue	2006	L	0.062
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Size reduced in the 2018 cycle.

PIAMH

VAP-C04E_STT01B06 / Stutts Creek, UT (Hole in the Wall) / Described in VDH-DSS condemnation 037-061M5, 2/16/2016.	5A	PCB in Fish Tissue	2006	L	0.016
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PIAMH

VAP-C04E_STT01B10 / Stutts Creek/Morris Creek / Portion of VDH 5A condemnation notice 037-061C, 2/16/2016 not condemned on 4/4/1997.	5A	PCB in Fish Tissue	2006	L	0.005
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Shrank considerably in the 2018 cycle.

PIAMH

VAP-C04E_STT01C14 / Stutts Creek / Described in VDH condemnation notice 037-061M4, 2/16/2016.	5A	PCB in Fish Tissue	2006	L	0.013
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PIAMH

VAP-C04E_STT02A00 / Stutts Creek / Morris Creek / Downstream limit of condemnation to Fanneys Point, except as otherwise segmented.	5A	PCB in Fish Tissue	2006	L	0.229
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PIAMH

VAP-C04E_STT04A06 / Stutts Creek / Described in VDH-DSS SFC 037-061M2, 2/16/2016.	5A	PCB in Fish Tissue	2006	L	0.025
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PIAMH

VAP-C04E_STT05A10 / Stutts Creek (Hole in the Wall) / From Point	5A	PCB in Fish Tissue	2006	L	1.037
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# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

Breeze downstream to its mouth at the Chesapeake Bay.

### PIAMH

VAP-C04E_TAB01A08 / Tabbs Creek / Described in VDH Shellfish Condemnation 041-212F, 9/30/2016.	iA	PCB in Fish Tissue	2006	L	0.034
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Size reduced in the 2018 cycle.

### MOBPH

VAP-C04E_THO01A08 / Thomas Creek / Described in VDH Shellfish Condemnation 041-212B, 9/25/2014.	iA	PCB in Fish Tissue	2006	L	0.014
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### MOBPH

VAP-C04E_WHA01A06 / Wharf Creek / Described in VDH-DSS SFC 036-197M2, 2/16/2016.	iA	PCB in Fish Tissue	2006	L	0.018
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### PIAMH

VAP-C04E_WHI01A08 / Whites Creek / Whites Creek around Festival Beach	iA	PCB in Fish Tissue	2006	L	0.046
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### PIAMH

VAP-C04E_WHI01B12 / Whites Creek / Stutts Creek to Festival Beach	5A	PCB in Fish Tissue	2006	L	0.271
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### PIAMH

VAP-C04E_WIN01A06 / Winter Harbor, UT / Described in the condemnation notice 038-178B, 3/7/2016.	5A	PCB in Fish Tissue	2006	L	0.108
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Expanded in the 2018 cycle.

### CB6PH

VAP-C04E_WIN01B00 / Winter Harbor / Lower Winter Harbor, not otherwise segmented.	5A	PCB in Fish Tissue	2006	L	0.183
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### CB6PH

VAP-C04E_WIN02B06 / Winter Harbor / Described in VDH-DSS SFC 038-178M1, 3/7/2016.	5A	PCB in Fish Tissue	2006	L	0.037
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### CB6PH

VAP-C04E_WIN03A06 / Winter Harbor / Northern portion of Winter Harbor	5A	PCB in Fish Tissue	2006	L	0.736
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### CB6PH

VAP-C04E_WIN03B18 / Winter Harbor / Described in VDH-DSS condemnation 038-176A, 3/7/2016.	5A	PCB in Fish Tissue	2006	L	0.422
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### CB6PH

VAP-C04E_WON01A08 / Weston Creek / Described in VDH Shellfish Condemnation 041-212A, 9/30/2016.	5A	PCB in Fish Tissue	2006	L	0.025
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### MOBPH

VAP-C04E_WOO01A10 / Woodas Creek / Described in the condemnation notice 041-092B, 9/30/2016.	5A	PCB in Fish Tissue	2006	L	0.029
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# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

Shrank slightly in the 2018 cycle.

### MOBPH

VAP-C04E_WTS01A08 / Whites Creek / Described in VDH Shellfish Condemnation 041-212E, 10/25/2005.	5A	PCB in Fish Tissue	2006	L	0.018
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### MOBPH

VAP-C04E_XFA03A14 / XFA - North River, UT / Described in VDH- DSS condemnation 042-131A, 6/30/2016.	5A	PCB in Fish Tissue	2006	L	0.020
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### MOBPH

VAP-C04E_XFE01A16 / XFE - Piankatank River, UT (aka Kibble Pond) / Described in VDH-DSS condemnation 036-197B, 2/16/2016.	5A	PCB in Fish Tissue	2006	L	0.016
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### PIAMH

VAP-C04E_ZZZ01A00 / Unsegmented estuaries in C04 / Unsegmented portion of the watershed within PIAMH	5A	PCB in Fish Tissue	2006	L	0.766
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VAP-C04E_ZZZ02A06 / Unsegmented estuaries in C04 / Unsegmented portion within CB6PH	5A	PCB in Fish Tissue	2006	L	0.076
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VAP-C04E_ZZZ03A06 / Unsegmented estuaries in C04 / Unsegmented portion within MOBPH	5A	PCB in Fish Tissue	2006	L	0.409
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VAP-C05E_FOX01A08 / Fox Mill Run / Described in the condemnation notice 96B, 8/12/1996.	5A	PCB in Fish Tissue	2006	L	0.085
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### MOBPH

VAP-C05E_OLD01A12 / Oldhouse Creek / Tidal limit to mouth at Ware River	5A	PCB in Fish Tissue	2006	L	0.102
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### MOBPH

VAP-C05E_WAR01A02 / Ware River / Described in the condemnation notice 096A, 8/12/1996.	5A	PCB in Fish Tissue	2006	L	0.257
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### MOBPH

VAP-C05E_WAR01B08 / Ware River / Portion of VDH condemnation notice 043-096A, 5/27/2015 not included in condemnation 96A and 96B, 8/12/1996.	5A	PCB in Fish Tissue	2006	L	0.262
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Shortened in the 2018 cycle.

### MOBPH

VAP-C05E_WAR02A02 / Ware River / Ware River downstream of SFC 096.	5A	PCB in Fish Tissue	2006	L	6.309
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### MOBPH

VAP-C05E_WAR02B18 / Ware River / Described in VDH-DSS condemnation 043-096C, 5/27/2015.	5A	PCB in Fish Tissue	2006	L	0.010
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### MOBPH

VAP-C05E_WIL01A98 / Wilson Creek / Described in the condemnation notice 106, 8/12/1996.	5A	PCB in Fish Tissue	2006	L	0.033
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### MOBPH

VAP-C05E_WIL01B08 / Wilson Creek / Portion of VDH	5A	PCB in Fish Tissue	2006	L	0.241
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# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

condemnation notice 043-096B, 5/27/2015 not included in  
condemnation notice 106, 8/12/1996.

Expanded in the 2018 cycle.

MOBPH

VAP-C05E_XDJ01A08 / Wilson Creek, UT / Tidal limit to mouth at Wilson Creek.	5A	PCB in Fish Tissue	2006	L	0.010
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MOBPH

VAP-C05E_ZZZ01A00 / Unsegmented estuaries in C05 / Unsegmented portion of the watershed.	5A	PCB in Fish Tissue	2006	L	0.154
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MOBPH

VAP-C06E_BRB01A08 / Browns Bay / Described in VDH Shellfish Condemnation 125B, 12/31/1996.	5A	PCB in Fish Tissue	2006	L	0.021
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MOBPH

VAP-C06E_BRB01B12 / Browns Bay / Portion of VDH Shellfish Condemnation 045-125M1, 12/9/2015 not included in 125B, 12/31/1996.	5A	PCB in Fish Tissue	2006	L	0.024
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MOBPH

VAP-C06E_FSC01A98 / Free School Creek / Described in VDH Shellfish Condemnation 044-093A, 6/9/2016.	5A	PCB in Fish Tissue	2006	L	0.039
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Shrank in the 2018 cycle.

MOBPH

VAP-C06E_FSC01B12 / Free School Creek / Portion of TMDL study area open for harvest on 044-093, 6/9/2016.	5A	PCB in Fish Tissue	2006	L	0.028
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MOBPH

VAP-C06E_HEY01A98 / Heywood Creek / Described in the condemnation notice 044-054B, 4/2/2014.	5A	PCB in Fish Tissue	2006	L	0.081
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MOBPH

VAP-C06E_HEY01B10 / Heywood Creek / Portion of condemnation notice 101, 4/1/1997 open in condemnation 044-054, 4/2/2014.	5A	PCB in Fish Tissue	2006	L	0.085
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MOBPH

VAP-C06E_MNC01A98 / Monday Creek / Portion of VDH-DSS condemnation notice 25A, 12/31/1996 open 12/9/2015.	5A	PCB in Fish Tissue	2006	L	0.030
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Split in the 2018 cycle.

MOBPH

VAP-C06E_MNC01B18 / Monday Creek / Described in VDH-DSS condemnation notice 045-125A, 12/9/2015.	5A	PCB in Fish Tissue	2006	L	0.053
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MOBPH

VAP-C06E_ROW01A06 / Rowes Creek / Described in VDH-DSS Shellfish Condemnation 044-054M2, 4/2/2014.	5A	PCB in Fish Tissue	2006	L	0.067
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# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

MOBPH

VAP-C06E_SEN01A02 / Northwest Branch Severn River / Described in condemnation notice 044-093B, 6/9/2016, excluding tributary XEE.	5A	PCB in Fish Tissue	2006	L	0.092
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MOBPH

VAP-C06E_SEN01B16 / Northwest Branch Severn River, UT / Described in VDH-DSS condemnation notice 044-093D, 6/9/2016.	5A	PCB in Fish Tissue	2006	L	0.034
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MOBPH

VAP-C06E_SEN01C10 / Northwest Branch Severn River / Portion of condemnation notice 93A, 4/1/1997 open on 044-093, 6/9/2016.	5A	PCB in Fish Tissue	2006	L	0.202
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MOBPH

VAP-C06E_SEN02A06 / Northwest Branch Severn River / Mainstem and tribs not otherwise segmented	5A	PCB in Fish Tissue	2006	L	0.441
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MOBPH

VAP-C06E_SES01A00 / Southwest Branch Severn River / Mainstem	5A	PCB in Fish Tissue	2006	L	0.635
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MOBPH

VAP-C06E_SEV02A00 / Severn River / End of NW Branch to mouth, unless otherwise segmented.	5A	PCB in Fish Tissue	2006	L	3.258
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MOBPH

VAP-C06E_STR01A08 / Sterling Creek / Described in VDH Shellfish Condemnation 044-093E, 4/2/2014.	5A	PCB in Fish Tissue	2006	L	0.021
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MOBPH

VAP-C06E_THC01A98 / Thorntons Creek / Described in the condemnation notice 044-054A, 4/2/2014.	5A	PCB in Fish Tissue	2006	L	0.052
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MOBPH

VAP-C06E_THC01B10 / Thorntons Creek / Portion of condemnation notice 054, 4/1/1997 open in condemnation 044-054, 4/2/2014.	5A	PCB in Fish Tissue	2006	L	0.027
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MOBPH

VAP-C06E_VGH01A98 / Vaughans Creek / Described in the condemnation notice 044-093C, 6/9/2016.	5A	PCB in Fish Tissue	2006	L	0.061
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Shrank in the 2018 cycle.

MOBPH

VAP-C06E_VGH01B10 / Vaughans Creek / Portion of condemnation notice 093B, 4/1/1997 open on 6/9/2016.	5A	PCB in Fish Tissue	2006	L	0.060
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MOBPH

VAP-C06E_WET01A06 / Willetts Creek / Described in VDH Shellfish Condemnation 044-054M1, 4/2/2014.	5A	PCB in Fish Tissue	2006	L	0.033
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MOBPH

VAP-C06E_WET01B08 / Willetts Creek / Described in VDH	5A	PCB in Fish Tissue	2006	L	0.128
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# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

Condemnation 044-054C, 2/15/2006.

MOBPH

VAP-C06E_WTT01A08 / Whitaker Creek / Tidal extent of Whitaker Creek.	iA	PCB in Fish Tissue	2006	L	0.066
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MOBPH

VAP-C06E_XEE01A10 / Northwest Branch Severn River, UT / Tidal limit to mouth at NW Branch Severn River	iA	PCB in Fish Tissue	2012	L	0.003
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MOBPH

VAP-C06E_ZZZ01A00 / Unsegmented estuaries in C06 / Unsegmented portion of the watershed.	iA	PCB in Fish Tissue	2006	L	1.352
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MOBPH

VAT-C07E_FMB01A12 / Fort Monroe Beaches / All of Fort Monroe Beach from the start of Mill Cr south to Lighthouse Old Point Comfort. Portion of CBP Segment CB8PH. No DSS shellfish condemnations.	iA	PCB in Fish Tissue	2006	L	0.333
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VAT-C08E_LCC01A08 / Little Creek & Harbor / Entire area of Little Creek and upper portion of Little Creek Harbor. From headwaters of Little Cr. downstream to lower portion of Harbor at mouth of Bay. CBP segment CB8PH. DSS (ADMINISTRATIVE) condemnation # 068-017 C (effective 20050308).	5A	PCB in Fish Tissue	2006	L	1.064
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VAT-C09E_BLB01A06 / Bullbagger Creek / Located southeast of Pitts Neck area. From estuarine/riverine transition (end of tidal waters) downstream to mouth (confluence with Pocomoke Sound). Portion of CBP segment POCOH. Portion of DSS condemnation # 075-033 A (effective 20160711).	5A	PCB in Fish Tissue	2006	L	0.134
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VAT-C09E_POC01A06 / Pocomoke River / Located northeast of Pitts Neck area, along VA/MD border. From VA/MD state line downstream to mouth (confluence with Pocomoke Sound) within VA. Portion of CBP segment POCOH. Portion of DSS condemnation # 075-033 A (effective 20160711).	5A	PCB in Fish Tissue	2006	L	0.240
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VAT-C09E_POC02A08 / Pocomoke Sound [C09 portion] / Pocomoke Sound downstream of the Pocomoke River (VA portion). Portion of CBP segment POCOH. Portion of DSS shellfish direct harvesting condemnation # 075-033 A (effective 20160711).	5A	PCB in Fish Tissue	2006	L	0.726
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VAT-C09E_PTT01A06 / Pitts Creek / Located northeast of Pitts Neck area, along VA/MD border. From VA/MD state line downstream to mouth (confluence with Pocomoke River) within VA. Portion of CBP segment POCOH. Portion of DSS condemnation # 075-033 A (effective 20160711).	5A	PCB in Fish Tissue	2006	L	0.127
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VAT-C09E_PTT01B10 / Pitts Creek - Upper [Admin Cond] / Located northeast of Pitts Neck area, along VA/MD border. From VA/MD state line upstream to headwaters within VA at Dunns Swamp Road. Portion of CBP segment POCOH. Portion of DSS condemnation # 075-033 A (effective 20160711).	5A	PCB in Fish Tissue	2006	L	0.069
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VAT-C09E_ZZZ01A06 / Unsegmented tidal tributaries in C09E-POCOH / Evaluated non segmented portions of C09E. Portion of CBP segment POCOH. Portion of DSS shellfish direct harvesting condemnation # 075-033 (effective 20160711).	5A	PCB in Fish Tissue	2006	L	0.006
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VAT-C10E_BAG01A00 / Bagwell Creek / Northwest of Town of Justisville. Entirety of creek. Portion of CBP segment POCMH. DSS shellfish direct harvesting condemnation # 077-138 A (effective	5A	PCB in Fish Tissue	2006	L	0.102
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# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

20150708).

VAT-C10E_BAG02A10 / Bagwell Creek - Lower / Northwest of Town of Justisville. Lower DSS OPEN portion of Cr. Portion of CBP segment POCMH. DSS (OPEN) shellfish direct harvesting area # 077-138 (effective 20150708).	1A	PCB in Fish Tissue	2006	L	0.114
VAT-C10E_DEP01A06 / Deep Creek - Middle / East of town of Bayside. Middle portion of creek adjacent to Town of Deep Creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 077-138 C (effective 20150708).	5A	PCB in Fish Tissue	2006	L	0.090
VAT-C10E_DEP01B10 / Deep Creek - Upper / East of town of Bayside. Upper portion of creek adjacent to Town of Deep Creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 077-138 C (effective 20150108).	5A	PCB in Fish Tissue	2006	L	0.114
VAT-C10E_DEP02A06 / Deep Creek - Lower / East of town of Bayside. Lower portion of creek, from RM 1.6 downstream to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 077-138 (effective 20150708).	5A	PCB in Fish Tissue	2006	L	0.489
VAT-C10E_DEP03A08 / Deep Creek - Lower [No DSS] / East of town of Bayside. Lower portion of creek, from RM 1.6 downstream to mouth. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation identified.	5A	PCB in Fish Tissue	2006	L	0.220
VAT-C10E_DIX01A08 / Dix Cove / Northwest of Town of Parksley. Adjacent to Bagwell & Hunting Creeks. Within CBP segment POCMH. Portion of DSS (OPEN) shellfish direct harvesting area # 077-138 (effective 20150708).	5A	PCB in Fish Tissue	2006	L	0.041
VAT-C10E_GLF01A06 / Guilford Creek - Upper / Northeast of Town of Guilford. Upper portion of creek, from end of tidal waters downstream to end of DSS condemnation portion. Portion of CBP segment POCMH. DSS shellfish condemnation # 076-176 A (effective 20160711).	5A	PCB in Fish Tissue	2006	L	0.152
VAT-C10E_GLF02A06 / Guilford Creek - Lower / Northeast of Town of Guilford. Lower portion of creek, from end of DSS condemnation downstream to mouth. Portion of CBP segment POCMH. DSS (OPEN) shellfish direct harvesting condemnation # 076-176 (effective 20160711).	5A	PCB in Fish Tissue	2006	L	0.106
VAT-C10E_GLF03A08 / Guilford Creek - Lower [No DSS] / Northeast of Town of Guilford. Lower portion of creek, from end of DSS condemnation downstream to mouth. Portion of CBP segment POCMH. No DSS shellfish direct harvesting condemnation identified.	5A	PCB in Fish Tissue	2006	L	0.460
VAT-C10E_GSH01A06 / Guard Shore Beach / In Old Cove (Beasley Bay). Located at Bailey Ridge, west of Bloxom. Portion of CBP segment POCMH. No DSS shellfish direct harvesting condemnation.	5A	PCB in Fish Tissue	2006	L	0.026
VAT-C10E_HLD01A06 / Holdens Creek - Upper / Located southeast of Joeys Neck area. From confluence Sandy Bottom Br downstream to 0.5 mi of station @ 7-HLD002.67. Portion of CBP segment POCOH. Portion of DSS condemnation # 075-033 A (effective 20160711).	5A	PCB in Fish Tissue	2006	L	0.034
VAT-C10E_HLD02A06 / Holdens Creek - Lower / Located southeast of Joeys Neck area. From 0.5 mi downstream of station @ 7-HLD002.67 downstream to mouth. Portion of CBP segment POCOH. Portion of DSS shellfish condemnation # 075-033 A (effective 20160711).	5A	PCB in Fish Tissue	2006	L	0.050

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

VAT-C10E_HUN01A00 / Hunting Creek - Upper / W of Hopkins. Upper portion, from end of tidal waters downstream to end of DSS condemnation (downstream of Town of Hopkins). CBP segment POCMH. DSS shellfish direct harvesting condemnation # 077-138 B (effective 20150708).	5A	PCB in Fish Tissue	2006	L	0.168
VAT-C10E_HUN02A06 / Hunting Creek - Lower / West of Town of Hopkins. Lower portion of creek, from end of DSS condemnation downstream to mouth. Portion of CBP segment POCMH. DSS (OPEN) shellfish direct harvesting condemnation # 077-138 (effective 20150708).	5A	PCB in Fish Tissue	2006	L	0.674
VAT-C10E_ISB01A06 / Island Bay - [No DSS] / Between Russell Island & Long Ridge area. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnations.	5A	PCB in Fish Tissue	2006	L	0.953
VAT-C10E_MES01A06 / Messongo Creek - Upper / Located southeast of Marsh Market & start of Rec TMDL (213) . Running parallel with Rt 692 upstream to the end of tidal waters. POCMH. Upstream portion of DSS shellfish condemnation # 076-167 A (effective 20160711).	5A	PCB in Fish Tissue	2006	L	0.042
VAT-C10E_MES02A06 / Messongo Creek - Middle [TMDL-732] / South of Town of Belinda. Portion of CBP segment POCMH. TMDL P# 732- SF. DSS Condemnation # 076-167 (effective 20160711).	5A	PCB in Fish Tissue	2006	L	0.156
VAT-C10E_MES02B08 / Messongo Creek - Middle [No TMDL] / Located south of Saxis and Belinda Rd intersection. Portion of CBP segment POCMH. DSS OPEN condemnation # 076-167 (effective 20160711).	5A	PCB in Fish Tissue	2006	L	0.093
VAT-C10E_MES03A06 / Messongo Creek - Lower / Located south of Saxis and Belinda Rd intersection downstream to the mouth. Portion of CBP segment POCMH. No DSS shellfish direct harvesting condemnation.	5A	PCB in Fish Tissue	2006	L	1.106
VAT-C10E_MUD01A04 / Muddy Creek - Upper / Located southeast of Byrds Marsh and northeast of Town of Bloxom. From end of tidal waters downstream to Poulson Pt. Portion of CBP segment POCMH. DSS shellfish condemnation # 076-176 B(effective 20160711).	5A	PCB in Fish Tissue	2006	L	0.301
VAT-C10E_MUD02A06 / Muddy Creek - Lower / Located southeast of Byrds Marsh and northeast of Town of Bloxom. Lower portion of creek, Pettigrew Bend to end of DSS Open condemnation. Portion of CBP segment POCMH. DSS shellfish OPEN condemnation # 076-176 (effective 20160711).	5A	PCB in Fish Tissue	2006	L	0.048
VAT-C10E_MUD03A08 / Muddy Creek - Lower [No DSS] / Located southeast of Byrds Marsh and northeast of Town of Bloxom. Lower portion of creek, from end of DSS condemnation downstream to mouth. Portion of CBP segment POCMH. No DSS shellfish direct harvesting condemnation.	5A	PCB in Fish Tissue	2006	L	0.060
VAT-C10E_POC01A08 / Pocomoke Sound - Lower [C10 portion] / Pocomoke Sound downstream of the Pocomoke River (VA portion). Area adjacent to Holdens Creek. Portion of CBP segment POCOH. Portion of DSS shellfish direct harvesting condemnation # 075-033 A (effective 20131023).	5A	PCB in Fish Tissue	2006	L	1.452
VAT-C10E_STR01A08 / Starling Creek / Located on Saxis Island, southwest of Pocomoke Sound. Embayment at town of Saxis. From end of tidal waters downstream to end of DSS condemnation. Portion of CBP segment POCMH. DSS shellfish direct harvesting condemnation # 075-118 M1 (effective 20111102).	5A	PCB in Fish Tissue	2006	L	0.091
VAT-C10E_YOU01A06 / Young Creek / Northeast of Town of	5A	PCB in Fish Tissue	2006	L	0.243

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

Guilford and south of Jobes Island. Portion of CBP segment POCMH. DSS (OPEN) shellfish direct harvesting condemnation # 076-176 (effective 20120810).

VAT-C10E_ZZZ01A06 / Unsegmented Bay Waters in C10E-CB7PH. / Evaluated non-segmented Bay Waters in C10E not contained within VACB-R01E-CB7S. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnations.	5A	PCB in Fish Tissue	2006	L	1.415
VAT-C10E_ZZZ02A06 / Unsegmented estuaries in C10E-POCMH [No DSS] / Evaluated non-segmented portions of C10E not contained within VACB-R01E-CB7S. Portion of CBP segment POCMH. No DSS shellfish direct harvesting condemnation area identified.	5A	PCB in Fish Tissue	2006	L	2.975
VAT-C10E_ZZZ02B10 / Unsegmented Bay Waters in C10E-POCMH - Doe Cr / Non-segmented portions of Bay Waters in C10E-POCMH. DSS (OPEN) shellfish direct harvesting condemnation area # 077-138 (201520708).	5A	PCB in Fish Tissue	2006	L	0.365
VAT-C11E_CED01A00 / Cedar Creek / Entire estuarine portion of creek. North shore tributary of Onancock Creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 080-013 C (effective 20131120).	5A	PCB in Fish Tissue	2006	L	0.063
VAT-C11E_CSX01A00 / Chesconessex Creek - South Br. - Upper / South of Chesconessex and northwest of Onancock. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 079-112 A (effective 20150708).	5A	PCB in Fish Tissue	2006	L	0.109
VAT-C11E_CSX01B10 / Chesconessex Creek - South Br. - Middle / South of Chesconessex and northwest of Onancock. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 079-112 OPEN(effective 20150708).	5A	PCB in Fish Tissue	2006	L	0.100
VAT-C11E_CSX02A06 / Chesconessex Creek - N. Branch / Lower portion of Creek, including tidal tribs., from the end DSS condemnation # 079-112 downstream to mouth. Portion of CBP segment CB7PH. Part of area contains no DSS Condemnation remainder is OPEN 079-112 (20150708).	5A	PCB in Fish Tissue	2006	L	1.832
VAT-C11E_CSX02B10 / Chesconessex Creek - N. Branch / North Branch portion of creek at marina area. DSS Admin condemnation # 079-112 B (effective 20150708). Portion of CBP segment CB7PH.	5A	PCB in Fish Tissue	2006	L	0.030
VAT-C11E_FNN01A00 / Finneys Creek - Upper / East of Bailey Neck area. South shore tributary of Onancock Creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 080-013 B (effective 20131120).	5A	PCB in Fish Tissue	2006	L	0.069
VAT-C11E_FNN02A00 / Finneys Creek - Lower / East of Bailey Neck area. South shore tributary of Onancock Creek. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 080-013 (effective 20131120).	5A	PCB in Fish Tissue	2006	L	0.119
VAT-C11E_LTH01A00 / Leatherberry Creek / Entire estuarine portion of creek. South shore tributary of Onancock Creek. Portion of CBP segment CB7PH. Portion of DSS (Admin Cond) shellfish condemnation # 081-013 A (effective 20131120).	5A	PCB in Fish Tissue	2006	L	0.070
VAT-C11E_MTC01A06 / Matchotank Creek - Upper / South of Broadway Neck area. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 080-169 (effective 20071219).	5A	PCB in Fish Tissue	2006	L	0.069
VAT-C11E_MTC02A06 / Matchotank Creek - Lower / South of Broadway Neck area. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 080-169 (effective	5A	PCB in Fish Tissue	2006	L	0.116

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

20071219) & no DSS area identified.

VAT-C11E_OCB01A00 / Central Branch, Onancock Creek / CBP segment CB7PH. Portion of DSS (Admin Cond) shellfish condemnation # 080-013 A (effective 20131120).	5A	PCB in Fish Tissue	2006	L	0.018
VAT-C11E_OCN01A04 / Onancock Creek Mainstem - Upper [Admin Cond] / Near Town of Onancock. From junction of N, Central & S Brs downstream to end of DSS condemnation (by Finneys Wharf. CBP segment CB7PH. Portion of DSS (Admin Cond) shellfish condemnation # 080-013 A (effective 20131120).	5A	PCB in Fish Tissue	2006	L	0.129
VAT-C11E_OCN01C10 / Onancock Creek Mainstem - Upper / Near Town of Onancock. From junction of N, Central & S Brs downstream to end of DSS condemnation near Finneys Wharf. CBP segment CB7PH. Portion of DSS shellfish condemnation # 081-013 (effective 20131120).	5A	PCB in Fish Tissue	2006	L	0.097
VAT-C11E_OCN02A04 / Onancock Creek Mainstem - Lower / East of Bailey Neck area. Mainstem of Onancock Creek- lower. From Finneys Wharf downstream to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 080-013 (effective 20131120).	5A	PCB in Fish Tissue	2006	L	1.953
VAT-C11E_OCN02B08 / Onancock Creek Mainstem - Poplar Cove / East of Bailey Neck area. Mainstem of Onancock Creek. Marina in area of Poplar Cove. Portion of CBP segment CB7PH. DSS (SEASONAL) shellfish direct harvesting condemnation # 080-013 M2 (effective 20131120).	5A	PCB in Fish Tissue	2006	L	0.016
VAT-C11E_ONB01A02 / North Branch, Onancock Creek / Located near Town of Onancock. Entire North Branch, Onancock Creek. CBP segment CB7PH. DSS shellfish condemnation (Admin Cond- PROHIBITION) # 081-013 D (effective 20131120).	5A	PCB in Fish Tissue	2006	L	0.021
VAT-C11E_OSB01A02 / Southern Branch, Onancock Creek / Near Town of Onancock. Entire Southern Branch Onancock Creek. CBP segment CB7PH. Portion of DSS (Admin Cond) shellfish condemnation # 081-013 A (effective 20131120).	5A	PCB in Fish Tissue	2006	L	0.058
VAT-C11E_PRK01A08 / Parkers Creek - Upper / South shore tributary of Onancock Creek at Finneys Neck. Upstream portion of creek. Portion of CBP segment CB7PH. DSS shellfish OPEN direct harvesting condemnation # 080-013 (effective 20131120).	5A	PCB in Fish Tissue	2006	L	0.035
VAT-C11E_PRK02A08 / Parkers Creek - Middle / South shore tributary of Onancock Creek at Finneys Neck. Middle portion of creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 080-013 (effective 20131120).	5A	PCB in Fish Tissue	2006	L	0.041
VAT-C11E_PRK03A08 / Parkers Creek - Lower / South shore tributary of Onancock Creek at Finneys Neck. Area around marina at mouth of Parkers Creek. Portion of CBP segment CB7PH. DSS shellfish seasonal condemnation # 080-013 M1 (effective 20131120).	5A	PCB in Fish Tissue	2006	L	0.086
VAT-C11E_TAR01A06 / Tarkill Creek / Located in Sluitkill Neck area. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation identified.	5A	PCB in Fish Tissue	2006	L	0.190
VAT-C11E_ZZZ01A00 / Unsegmented estuaries in C11E. / Evaluated non segmented portions of C11E not contained within VACB-R01E-CB7S. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 080-013 (20131120).	5A	PCB in Fish Tissue	2006	L	1.538
VAT-C12E_PUN01A06 / Pungoteague Creek - Upper / W of Melfa. Upper portion of Pungoteague Cr. from the end of tidal waters	5A	PCB in Fish Tissue	2006	L	0.232

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

downstream to Boggs Wharf and Route 634. CBP segment CB7PH. DSS condemnation # 081-119 B (effective 20130325).

VAT-C12E_PUN01B16 / Pungoteague Creek - Middle-Upper / W of Melfa. Upper portion of Pungoteague Cr. from the Boggs Warf to Horse Hole Creek. CBP segment CB7PH. DSS OPEN condemnation # 081-119 (effective 20160401).	5A	PCB in Fish Tissue	2006	L	0.262
VAT-C12E_PUN02A06 / Pungoteague Creek - Lower / Located west of Town of Melfa. Lower portion of Pungoteague Cr. from Horse Hole Creek downstream to mouth. Portion of CBP segment CB7PH. DSS OPEN shellfish direct harvesting condemnation # 081-119 (effective 20160401).	5A	PCB in Fish Tissue	2006	L	1.186
VAT-C12E_TAY01A06 / Taylor Creek / Located southwest of Harborton. From the end of tidal waters downstream Route 628 and Eastern Shore Yacht Club. Portion of CBP segment CB7PH. Portion of DSS condemnation # 081-119 C (effective 20160401).	5A	PCB in Fish Tissue	2006	L	0.130
VAT-C12E_TAY02A14 / Taylor Creek- Mouth / Located southwest of Harborton. From Route 628 and Eastern Shore Yacht Club to Puncoteague confluence. Portion of CBP segment CB7PH. Portion of DSS condemnation # 081-119 OPEN & M1 (effective 20160401).	5A	PCB in Fish Tissue	2006	L	0.035
VAT-C12E_UNR01A06 / Underhill Creek / In area of Mount Nebo. North shore tributary to Pungoteague Cr. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 081-119 A (effective 20160401).	5A	PCB in Fish Tissue	2006	L	0.070
VAT-C12E_WRP01A06 / Warehouse Prong - Upper / Located north of Bobtown and east of Boggs Wharf. Upper portion, from headwaters to confluence with UT. Portion of CBP segment CB7PH. Portion of DSS (Admin Cond) condemnation # 081-119 D (effective 20160401).	5A	PCB in Fish Tissue	2006	L	0.042
VAT-C12E_WRP02A06 / Warehouse Prong - Lower / Located north of Bobtown and east of Boggs Wharf. Lower portion, from confluence with UT downstream to confluence with Pungoteague Cr. Portion of CBP segment CB7PH. DSS (Admin Cond) condemnation # 081-119 B (effective 20160401).	5A	PCB in Fish Tissue	2006	L	0.054
VAT-C12E_ZZZ01A00 / Unsegmented Bay Waters in C12E. / Evaluated non segmented portions of C12E, UT south of Pungoteague Cr. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation identified.	5A	PCB in Fish Tissue	2006	L	0.002
VAT-C13E_BCE01A08 / Back Creek / Southwest of Fairview Neck area. North shore tributary of Nandua Cr. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 082-160 (effective 20160330).	5A	PCB in Fish Tissue	2006	L	0.141
VAT-C13E_BOS01A08 / Boggs Gut / Southwest of Fairview Neck area. South shore tributary of Nandua Cr. near mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 082-160 (effective 20160330).	5A	PCB in Fish Tissue	2006	L	0.034
VAT-C13E_CHC01A00 / Church Creek / In area of Elliotts Neck. Tributary to Nassawadox Creek. Portion of CBP segment CB7PH. DSS OPEN shellfish direct harvesting condemnation # 085-185 (effective 20161013).	5A	PCB in Fish Tissue	2006	L	0.430
VAT-C13E_CHC01B16 / Church Creek -Upper / In area of Elliotts Neck. Tributary to Nassawadox Creek, upstream portion of Church Creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 085-185 B (effective 20161013).	5A	PCB in Fish Tissue	2006	L	0.108
VAT-C13E_CHC01C10 / Church Creek - Middle- UT North Cove / In	5A	PCB in Fish Tissue	2006	L	0.059

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

area of Elliotts Neck. Tributary to Church Creek - Middle, UT North Cove. Portion of CBP segment CB7PH. DSS shellfish harvesting condemnation # 085-185 A (effective 20161013).

VAT-C13E_CRA01A06 / Craddock Creek - Upper [TMDL-bact.] / From end of tidal waters downstream to end of shellfish condemnation (area of TMDL-bact 6/07). Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 083-195 A (effective 20121210).	5A	PCB in Fish Tissue	2006	L	0.082
VAT-C13E_CRA02A08 / Craddock Creek - Lower and UT / Most of Craddock Cr. excluding SF condemnation in upper creek. Including all tribs. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 083-195 (effective 20121210).	5A	PCB in Fish Tissue	2006	L	0.911
VAT-C13E_CRR01A08 / Curratuck Creek / Southwest of Fairview Neck area. Lower south shore tributary of middle Nandua Cr. near mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 082-160 (effective 20160330).	5A	PCB in Fish Tissue	2006	L	0.277
VAT-C13E_HGC01A06 / Holly Grove Cove / Located near Wellington Neck. From end of tidal waters downstream to mouth. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 085-110 E (effective 20161013).	5A	PCB in Fish Tissue	2006	L	0.143
VAT-C13E_KLL01A06 / Kelley Cove / From end of tidal waters downstream to confluence with Nassawadox Cr. (area of TMDL-bact 6/07). Portion of CBP segment CB7PH. Portion of DSS shellfish direct harvesting condemnation # 085-110 D (effective 201610137).	5A	PCB in Fish Tissue	2006	L	0.026
VAT-C13E_MAG01A08 / McLean Gut - Upper / Southwest of Fairview Neck area. Middle south shore tributary of middle Nandua Cr. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 082-160 B (effective 20160330).	5A	PCB in Fish Tissue	2006	L	0.038
VAT-C13E_MAG02A08 / McLean Gut - Lower / Southwest of Fairview Neck area. Middle south shore tributary of middle Nandua Cr. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 082-160 (effective 20160330).	5A	PCB in Fish Tissue	2006	L	0.032
VAT-C13E_NAN01A00 / Nandua Creek - Upper [TMDL-bact.] / Southeast of Hacks Neck area. The two most upstream branches of Nandua Creek, incl. Kusian Cove. Portion of CBP segment CB7PH. DSS condemnation # 082-160 A&C (effective 20160330).	5A	PCB in Fish Tissue	2006	L	0.144
VAT-C13E_NAN01B08 / Nandua Creek - Lower Upper / Southwest of Fairview Neck area. North shore tributary of Nandua Cr. near mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 082-160 (effective 20160330).	5A	PCB in Fish Tissue	2006	L	0.223
VAT-C13E_NAN02A06 / Nandua Creek - Lower / Lower portion of Nandua Creek including unsegmented tidal tribs., from the confluence of Boggs Gut downstream to mouth (RM 0.0). Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation identified.	5A	PCB in Fish Tissue	2006	L	3.150
VAT-C13E_NSS01A06 / Nassawadox Creek - Upper [TMDL-bact.] / From end of tidal waters downstream to confluence with Kelly Cove (RM 5.2) area of TMDL-bact 6/07. Portion of CBP segment CB7PH. Portion of DSS shellfish direct harvesting condemnation # 085-110 B (effective 20161013).	5A	PCB in Fish Tissue	2006	L	0.205
VAT-C13E_NSS01B08 / Nassawadox Creek - Upper / From confluence with Kelly Cove (RM 5.2) downstream to mainstem (outside of area of TMDL-bact 6/07). Portion of CBP segment CB7PH. Portion of DSS (OPEN) shellfish direct harvesting condemnation # 085-110 (effective 20161013).	5A	PCB in Fish Tissue	2006	L	0.169

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

VAT-C13E_NSS02A06 / Nassawadox Creek - Lower / Mainstem of lower portion of creek to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 085-110 & 085-185 (effective 20161013).	5A	PCB in Fish Tissue	2006	L	2.121
VAT-C13E_NSS03A08 / Nassawadox Creek - Middle, N. Shore Tribs / Occohannock Neck Area. North Shore UTs to lower-middle mainstem Nassawadox. Portion of CBP segment CB7PH. Portion of DSS shellfish direct harvesting condemnation # 085-110 A & C (effective 20161013).	5A	PCB in Fish Tissue	2006	L	0.126
VAT-C13E_OCH01A06 / Occohannock Creek - Upper / Upper portion of Occohannock Creek and tidal tribs., from end of tidal waters downstream to the confluence of Wescott Cove (RM 5.3). Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 084-043 A (effective 20161116).	5A	PCB in Fish Tissue	2006	L	0.538
VAT-C13E_OCH02A06 / Occohannock Creek - Lower / Lower portion of Occohannock Creek and tidal tribs., from downstream of Youngs Pt. to mouth (RM 0.0). Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 084-043 (effective 20161116).	5A	PCB in Fish Tissue	2006	L	2.469
VAT-C13E_OCH02B08 / Occohannock Creek - Middle Marina Area / In middle portion of Occohannock Creek, marina area of Davis Wharf. Portion of CBP segment CB7PH. DSS SEASONAL shellfish direct harvesting condemnation # 084-043 M1 (effective 20161116).	5A	PCB in Fish Tissue	2006	L	0.034
VAT-C13E_OCH03A08 / Shields Cove & Fisher Cove / West of Belle Haven area. North and South shore tributaries of Occohannock Cr., NW of Youngs Pt. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 084-043 B & C (effective 20161116).	5A	PCB in Fish Tissue	2006	L	0.087
VAT-C13E_WHC01A06 / Warehouse Creek - Upper / Southeast fork of upper portion of creek. Portion of CBP segment CB7PH. DSS ADMIN-PROHIB shellfish direct harvesting condemnation # 085-110 F (effective 20161013) (VPDES outfall condemnation for Shore Memorial Hospital STP VA0027537).	5A	PCB in Fish Tissue	2006	L	0.032
VAT-C13E_WHC01B10 / Warehouse Creek - Upper Middle (Admin Cond) / Including northern fork and continuing downstream to bend near Wellington Neck. Portion of CBP segment CB7PH. DSS (Admin Cond) shellfish direct harvesting condemnation # 085-110C (effective 20161013).	5A	PCB in Fish Tissue	2006	L	0.166
VAT-C13E_WHC02A06 / Warehouse Creek - Lower / Including bend near Wellington Neck to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 085-110 (effective 20161013).	5A	PCB in Fish Tissue	2006	L	0.246
VAT-C13E_ZZZ01A00 / Unsegmented estuaries in C13E. / Evaluated non segmented portions of C13E. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation identified.	5A	PCB in Fish Tissue	2006	L	0.752
VAT-C14E_BRL01A06 / Barlow Creek / In area of Old Town Neck. South shore tributary to lower Mattawoman Cr. Portion of CBP segment CB7PH. DSS OPEN shellfish direct harvesting condemnation # 086-136 (effective 20150827).	5A	PCB in Fish Tissue	2006	L	0.049
VAT-C14E_HUG01A00 / Hungars Creek - Upper / Upper portion of Hungars Creek from end tidal waters downstream to Waterford Point (RM 1.8) @ confluence with Jacobus Cr. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 A (effective 20150827).	5A	PCB in Fish Tissue	2006	L	0.138

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

VAT-C14E_HUG02A00 / Hungars Creek - Lower / Lower portion of Hungars Creek from Waterford Point (RM 1.8) @ confluence with Jacobus Cr. downstream to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 086-136 (effective 20150827).	5A	PCB in Fish Tissue	2006	L	1.187
VAT-C14E_HUG02B12 / UT to Hungars Creek / Northern trib between Great Neck and Sparrow Point. Restricted portion of SF. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 E (effective 20150827).	5A	PCB in Fish Tissue	2006	L	0.039
VAT-C14E_HUG02C14 / Hungars Creek - Northern Trib / Lower portion of Hungars Creek, Trib north of the mouth. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 D (effective 20150827).	5A	PCB in Fish Tissue	2006	L	0.073
VAT-C14E_JAC01A06 / Jacobus Creek - Upper South Fork / West of Johnstown. Trib to Hungars Cr. Uppermost portion of south branch. Portion of CBP segment CB7PH. DSS (Admin - Prohibition) due to STP VA0023817 Outfall) shellfish direct harvesting condemnation # 086-136F (effective 20150827).	5A	PCB in Fish Tissue	2006	L	0.028
VAT-C14E_JAC02A06 / Jacobus Creek - Upper Forks / West of Johnstown. Trib to Hungars Cr. Middle mainstem, north fork and lower portion of south fork. Portion of CBP segment CB7PH. DSS (Admin Cond) shellfish direct harvesting condemnation # 086-136 B (effective 20150827).	5A	PCB in Fish Tissue	2006	L	0.152
VAT-C14E_JAC03A06 / Jacobus Creek - Lower / West of Johnstown. South shore trib. to Hungars Cr. Lower mainstem portion. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 086-136 (effective 20150827).	5A	PCB in Fish Tissue	2006	L	0.187
VAT-C14E_MAT01A06 / Mattawoman Creek - Upper / South of Wilsonia Neck. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 C (effective 20150827).	5A	PCB in Fish Tissue	2006	L	0.155
VAT-C14E_MAT02A10 / Mattawoman Creek - Lower / South of Wilsonia Neck - mouth of Mattawoman Cr. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 086-136 (effective 20150827).	5A	PCB in Fish Tissue	2006	L	0.357
VAT-C14E_THG01A06 / The Gulf - Upper / From end of tidal waters downstream to narrowing 0.45 mi. from mouth. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 087-174 A (effective 20150827).	5A	PCB in Fish Tissue	2006	L	0.090
VAT-C14E_THG02A06 / The Gulf - Lower / From narrowing 0.45 mi. from mouth downstream to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish condemnation # 087-174 (20150827) & no DSS.	5A	PCB in Fish Tissue	2006	L	0.204
VAT-C14E_WHS01A06 / Westerhouse Creek - North Branch & Upper Middle [TMDL] / In Church Neck area, west of Bridgetown. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 085-199 (20161013).	5A	PCB in Fish Tissue	2006	L	0.243
VAT-C14E_WHS02A06 / Westerhouse Creek - Upper South Branch [TMDL] / In Church Neck area, west of Bridgetown. Upper portion of Westerhouse Creek South Branch. Portion of CBP segment CB7PH. Portion DSS shellfish direct harvesting condemnation # 085-199 A (effective 20130924).	5A	PCB in Fish Tissue	2006	L	0.019
VAT-C14E_ZZZ01A00 / Unsegmented estuaries in C14E. / Evaluated non segmented portions of C14E - mouth of Matchotank & Hungars Crs. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 086-136.	5A	PCB in Fish Tissue	2006	L	0.838



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

VAT-C15E_CCB01A06 / Cape Charles Beach / Located west of Town of Cape Charles, along Chesapeake Bay. Portion of CBP segment CB7PH. DSS (Administrative) shellfish harvesting condemnation 089-011 A (effective 20051202) which is present.	5A	PCB in Fish Tissue	2006	L	0.079
VAT-C15E_CRS01A06 / Cherrystone Inlet - Upper / From Eyreville Neck end of tidal waters downstream to confluence with Chesapeake Bay. Including Old Castle Cr. Portion of CBP segment CB7PH. DSS OPEN shellfish direct harvesting condemnation # 088-139 (20161227).	5A	PCB in Fish Tissue	2006	L	2.381
VAT-C15E_CRS01B18 / Cherrystone Inlet - Eyrehall Cr / SE trib to Cherrystone Inlet. Portion of CBP segment CB7PH. DSS Restricted shellfish direct harvesting condemnation # 088-139 B(20161227).	5A	PCB in Fish Tissue	2006	L	0.103
VAT-C15E_KNS01A00 / Kings Creek - Upper Forks and Middle / From end of tidal waters downstream 0.16 mi. past confluence of the two most upstream forks. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 088-139 A (20161227).	5A	PCB in Fish Tissue	2006	L	0.093
VAT-C15E_KNS03A08 / Kings Creek - Lower Middle / From start of DSS marina area downstream to Cherrystone. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 088-139 (20161227) & Seasonal Condemnation M1.	5A	PCB in Fish Tissue	2006	L	0.247
VAT-C15E_ZZZ01A08 / Unsegmented estuaries in C15E. / Evaluated non segmented portions of C15E. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation identified.	5A	PCB in Fish Tissue	2006	L	0.587
VAT-C16E_CCH01A04 / Cape Charles Harbor - Upper / From most upstream end of harbor downstream to 1/2 distance to mouth (RM 0.23). Portion of CBP segment CB7PH. DSS ADMINISTRATIVE shellfish harvesting condemnation # 089-011 B (effective 20051202) (VPDES outfall Town of Cape Charles STP VA0021288).	5A	PCB in Fish Tissue	2006	L	0.056
VAT-C16E_CCH02A00 / Cape Charles Harbor - Lower / From 1/2 distance to mouth (RM 0.23) downstream to mouth. Portion of CBP segment CB7PH. DSS ADMINISTRATIVE shellfish harvesting condemnation # 089-011 A (effective 20051202) (VPDES outfall Town of Cape Charles STP VA0021288).	5A	PCB in Fish Tissue	2006	L	0.060
VAT-C16E_KPT01A06 / Kiptopeke Beach / Located west of Cedar Grove, along Chesapeake Bay, near southern tip of Eastern Shore. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation present.	5A	PCB in Fish Tissue	2006	L	0.044
VAT-C16E_OPC01A06 / Old Plantation Creek - Upper [TMDL-bact] / Upper portion of Old Plantation Creek within TMDL-Bact (33771). CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 090-152 A (effective 20151222).	5A	PCB in Fish Tissue	2006	L	0.044
VAT-C16E_OPC01B08 / Old Plantation Creek - Upper [No TMDL-bact] / Upper portion of Old Plantation Creek and one southeast embayment not within TMDL-Bact (33771). Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 090-152 A (effective 20151222).	5A	PCB in Fish Tissue	2006	L	0.152
VAT-C16E_OPC02A00 / Old Plantation Creek - Lower / Lower portion of Old Plantation Creek, from approx. Red Bank (RM 2.0) downstream to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 090-152 (20151222).	5A	PCB in Fish Tissue	2006	L	0.926
VAT-C16E_ZZZ01A00 / Unsegmented estuaries in C16E. / Evaluated non segmented portions of C16E. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation identified.	5A	PCB in Fish Tissue	2006	L	0.146

*Fact Sheets for  
Impaired (Category 4 or 5) Waters in 2018*

*Chesapeake Bay/Atlantic/Small Coastal Basins*

Chesapeake Bay and Tidal Tributaries	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Fish Consumption</b>			
PCB in Fish Tissue - Total Impaired Size by Water Type: <b>1,826.332</b>			

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-19-SF

**XEU - Prentice Creek, UT**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 022C, 2/27/1997

City / County: Northumberland Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

Portion of VDH-DSS Condemnation 015-022E, 5/9/2016

This tributary of Prentice Creek was included on the 1998 303(d) list due to condemnation 022C, 2/27/1997. The bacteria TMDL for the 1998 impairment was completed as part of the Dividing Creek and Prentice Creek Bacteria TMDL report; the TMDL was approved by the EPA on 6/8/2006.

During the 2010 cycle, the condemnation expanded and merged with another 1998 condemnation on an unnamed tributary. The 1998 segment is considered Category 4A for the Shellfish Use; the TMDL for the expanded area is addressed in fact sheet C01E-09-SF2.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_XEU01A02 / XEU - Prentice Creek, UT / Described in the condemnation notice 022C, 2/27/1997	4A	Fecal Coliform	1998	L	0.011
CB5MH					
XEU - Prentice Creek, UT			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing					
Fecal Coliform - Total Impaired Size by Water Type:			<b>0.011</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **C01E-21-SF**

**XDL - Chesapeake Bay, UT (Big Fleets Pond)**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 011-190A, 7/24/2014

City / County: Northumberland Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH Shellfish Condemnation 011-190A, 7/24/2014

The Shellfish TMDL was approved by the EPA on 6/19/2009 and by the SWCB on 11/14/2009. The segment is considered Category 4A.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_XDL01A02 / XDL - Chesapeake Bay, UT (aka Big Fleets Pond) / As described in condemnation notice 011-190A, 7/24/2014.	4A Fecal Coliform	2002	L	0.018

CB5MH

XDL - Chesapeake Bay, UT (Big Fleets Pond)	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.018</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-22-SF

**Indian Creek & Pitman Cove**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 057B, -057C, and -057E, 12/19/2016 (excludes administrative portion)

City / County: Lancaster Co. Northumberland Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS Shellfish Condemnations 016-057E, -B, and -C, 12/19/2016

During the 1998 cycle, Pitmans Cove and Indian Creek were assessed as impaired of the Shellfish Consumption Use due to VDH-DSS condemnations 57A and 57C, 3/5/1997. The condemnations have since grown and shrunk several times. At their maximum extent (016-057A, 1/28/2005 and 12/13/2006), the condemnations had merged. The Shellfish TMDL was developed for this maximum extent and was approved by the EPA on 4/8/2009 and by the SWCB on 7/27/2009.

The condemnation shrunk and split again in the 2016 cycle and 0.0400 mi<sup>2</sup> was partially delisted. Condemnation M2 extended upstream in the 2018 cycle and the segments were split. (VDH-DSS Condemnation 016-067A is entirely administratively condemned in the 2018 cycle and is not included.)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_IND01A98 / Indian Creek / VDH-DSS condemnation notice 016-057E, 12/19/2016 (not administratively condemned) and 016-057C, 12/19/2016	4A	Fecal Coliform	1998	L	0.147

Shrank in the 2018 cycle.

CB5MH

VAP-C01E_PIT01A14 / Pitmans Cove / Described in condemnation notice 016-057B, 12/19/2016.	4A	Fecal Coliform	1998	L	0.035
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CB5MH

Indian Creek & Pitman Cove	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.182</b>		

Sources:

Municipal Point Source Discharges

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-24-SF

**Dymer Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 016-024A, 12/30/2015

City / County: Lancaster Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS Shellfish Condemnation Notice 016-024A, 12/30/2015

The upper portion of Dymer Creek was included on the 1998 303(d) list due to VDH condemnation 24A, 3/5/1997. During the 2006 cycle, the condemnation expanded downstream into Chases Cove. However, during the 2008 cycle, the condemnations shrank and split into two separate condemnations - 016-024A Dymer Creek and 016-024F, Chases Cove. The Chases Cove impairment was addressed in fact sheet C01E-48-SF.

The Shellfish TMDL for Dymer Creek was developed during the 2010 cycle. The TMDL addressed the maximum extent of the condemnation, which occurred on 1/28/2005. The segment is considered Category 4A.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_DYM01A98 / Dymer Creek / Described in the condemnation notice 016-024A, 12/30/2015.	4A	Fecal Coliform	1998	L	0.177

Shrank in 2018 cycle.

CB5MH

Dymer Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.177</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-26-SF

**Johnson Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 016-024C, 12/30/2015

City / County: Lancaster Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS Shellfish Condemnation Notice 016-024C, 12/30/2015

The Shellfish TMDL for Johnson Creek was approved by the EPA on 4/8/2009 and by the SWCB on 7/27/2009. The creek is considered a Category 4A water.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_JOH01A06 / Johnson Creek / As described in VDH-DSS SFC 016-024C, 12/30/2015	4A	Fecal Coliform	2014	L	0.029

CB5MH

Johnson Creek

**Shellfishing**

Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type: <b>0.029</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-27-BAC

**Tabbs Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 016-133A, 12/19/2016

City / County: Lancaster Co.

Use(s): Recreation

Cause(s) / VA Category: Enterococcus / 4A

During the 2012 cycle, the upper portion of Tabbs Creek is impaired of the Recreation Use due to an enterococci exceedance rate of 2/12 at 7-TBS001.69.

The area is within the study area for the Tabbs Creek Shellfish Bacterial TMDL, which was approved by the EPA on 4/8/2009. Implementation of the TMDL is expected to cause attainment of the Recreation impairment; therefore, it is considered nested (Category 4A).

Size was adjusted to remain coincident with the shellfish condemnation.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_TBS01A98 / Tabbs Creek / Described in VDH-DSS condemnation notice 016-133A, 12/19/2016	4A	Enterococcus	2012	L	0.054

Segment shrunk in the 2018 cycle.

CB5MH

Tabbs Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>			
Enterococcus - Total Impaired Size by Water Type:	<b>0.054</b>		

Sources:

Non-Point Source



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-27-SF

**Tabbs Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 016-133A, 12/19/2016

City / County: Lancaster Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS Condemnation 016-133A, 12/19/2016

A portion of Tabbs Creek was impaired of the Shellfish Consumption Use during the 1998 cycle due to VDH-DSS Shellfish Condemnation Notice 133, 3/5/1997.

During the 2010 cycle, the TMDL was developed for the maximum extent (016-133A, 12/13/2006.). It was approved by the EPA on 4/8/2009 and by the SWCB on 7/27/2009.

The condemned area shrunk in the 2010 cycle (016-133A, 12/28/2007) and again in the 2012 cycle (016-133A, 12/23/2009). The condemned area is considered Category 4A; the downstream open area was partially delisted (Category 2C.)

In the 2016 cycle, the condemnations expanded and merged.

It shrank considerably in the 2018 cycle. The cove is no longer condemned and will be partially delisted.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_TBS01A98 / Tabbs Creek / Described in VDH-DSS condemnation notice 016-133A, 12/19/2016	4A	Fecal Coliform	1998	L	0.054

Segment shrunk in the 2018 cycle.

CB5MH

Tabbs Creek

**Shellfishing**

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.054</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-28-SF

**Antipoison Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 017-188A, 12/16/2014

City / County: Lancaster Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS Shellfish Condemnation Notice 017-188A, 12/16/2014

The upper portion of Antipoison Creek was included on the 1998 303(d) list due to condemnation 188, 6/3/1996. During the 2006 cycle the condemnation expanded considerably. However, during the 2008 cycle, the condemnation was reduced and split into 3 condemnations. As the lower sections were first impaired in the 2006 cycle, the TMDLs for those portions were due in 2018 and are addressed in fact sheets C01E-50-SF and C01E-51-SF.

The Shellfish TMDL for Antipoison Creek was developed for Antipoison Creek in its entirety to match the maximum extent of condemnation, which occurred on 7/13/2004. The condemned areas within Antipoison Creek shrunk during the 2010 cycle. The non-condemned waters are considered Category 2C. The condemned areas are considered Category 4A.

The condemnation shrank again in the 2016 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_ANT01A98 / Antipoison Creek / Described in the condemnation notice 017-188A, 12/16/2014.	4A Fecal Coliform	1998	L	0.042

CB5MH

Antipoison Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.042</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-29-BAC

**Indian Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 016-057A, -057M2, -057E, and -057F, 12/19/2018

City / County: Lancaster Co. Northumberland Co.

Use(s): Recreation

Cause(s) / VA Category: Enterococcus / 4A

In 2014, Indian Creek was assessed as not supporting for the Recreation Use due to an enterococci exceedance rate of 4/36 at station 7-IND002.26.

The bacterial TMDL for Indian Creek was developed by the DEQ and approved by the EPA on 4/8/2009 and by the SWCB on 7/27/2009. Allocations were given to point and nonpoint sources. Indian Creek is considered a Category 4A water.

The exceedance rate was 5/35 in the 2018 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_IND01A98 / Indian Creek / VDH-DSS condemnation notice 016-057E, 12/19/2016 (not administratively condemned) and 016-057C, 12/19/2016	4A	Enterococcus	2014	L	0.147
Shrank in the 2018 cycle.					
CB5MH					
VAP-C01E_IND01B10 / Indian Creek / VDH-DSS condemnation notice 016-057A, 12/19/2016 (administratively condemned).	4A	Enterococcus	2014	L	0.037
CB5MH					
VAP-C01E_IND01D14 / Indian Creek / Described in condemnation notice 016-057M2, 12/19/2016.	4A	Enterococcus	2018	L	0.131
Expanded upstream in the 2018 cycle.					
CB5MH					
VAP-C01E_IND01E16 / Indian Creek / Portion of condemnation notice 016-057A, 12/28/2012 that is open 12/19/2016.	4A	Enterococcus	2014	L	0.040
CB5MH					
VAP-C01E_IND02A98 / Indian Creek / Described in the condemnation notice 016-057F, 12/19/2016.	4A	Enterococcus	2014	L	0.015

CB5MH

Indian Creek  
Recreation

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	<b>0.370</b>		

Sources:

Municipal Point Source  
Discharges

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **C01E-30-SF**

**Dymer Creek, UT**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 016-024B, 12/30/2015

City / County: Lancaster Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS Shellfish Condemnation Notice 016-024B, 12/30/2015

The Shellfish TMDL for Dymer Creek was approved by the EPA on 4/8/2009 and by the SWCB on 7/27/2009.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_CHA01A08 / Dymer Creek, UT / Described in condemnation notice 016-024B, 12/30/2015.	4A	Fecal Coliform	2016	L	0.018
CB5MH					
Dymer Creek, UT			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>					
Fecal Coliform - Total Impaired Size by Water Type:			<b>0.018</b>		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-33-SF

**Betts Mill Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 013-089B, 4/28/2016

City / County: Northumberland Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS Shellfish Condemnation Notice 013-089B, 4/28/2016

The impairment is nested within the Great Wicomico River Shellfish TMDL, which was approved by the EPA on 6/8/2006. It is considered Category 4A.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_BMC01A04 / Betts Mill Creek / Described in the VDH Shellfish Condemnation 013-089B, 4/28/2016	4A Fecal Coliform	2004	L	0.082

CB5MH

Betts Mill Creek

**Shellfishing**

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.082</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-37-SF

**Harveys Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 014-123B, 5/9/2016

City / County: Northumberland Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH Shellfish Condemnation 014-123B, 5/9/2016

Harveys Creek is nested within the nearby Mill Creek Shellfish TMDL, which was approved by the EPA on 8/22/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_HAV01A08 / Harveys Creek / Described in VDH Shellfish Condemnation 014-123B, 5/9/2016.	4A	Fecal Coliform	2008	L	0.045

CB5MH

Harveys Creek

**Shellfishing**

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.045</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-38-SF

**Cranes Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 013-220C, 4/28/2016

City / County: Northumberland Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS Condemnations 013-220C, 4/28/2016

The impairment is considered nested within the nearby Whays Creek Shellfish TMDL. The TMDL was developed as part of the Great Wicomico River Watershed TMDL report and was approved by the EPA on 6/8/2006.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_CRN01A06 / Cranes Creek / Described in VDH-DSS Shellfish Condemnation 013-220C, 4/28/2016	4A Fecal Coliform	2008	L	0.019

CB5MH

Cranes Creek

**Shellfishing**

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.019</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-40-SF

**Coles Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 013-089C, 4/28/2016

City / County: Northumberland Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS Shellfish Condemnation Number 013-089C, 4/28/2016

The impairment is nested within the Tippers Creek Shellfish TMDL. The TMDL was developed in the Great Wicomico River Watershed TMDL Report and was approved by the EPA on 6/8/2006.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_COL01A08 / Coles Creek / Described in VDH-DSS SFC 4A 013-089C, 4/28/2016	Fecal Coliform	2008	L	0.019
CB5MH				
Coles Creek		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing				
Fecal Coliform - Total Impaired Size by Water Type:		0.019		

Sources:

Non-Point Source



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **C01E-42-SF**

**Jarvis Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 015-022H, 5/9/2016

City / County: Lancaster Co. Northumberland Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS Condemnation 015-022H, 5/9/2016

The impairment is proposed for nesting within the nearby Prentice Creek Shellfish TMDL, which was approved by the EPA on 6/8/2006.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_JAR01B08 / Jarvis Creek / As described in VDH-DSS condemnation 015-022H, 5/9/2016.	4A Fecal Coliform	2016	L	0.016

CB5MH

Jarvis Creek  
**Shellfishing**

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.016</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **C01E-43-SF**

**Old House Cove**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 015-022F, 5/9/2016

City / County: Northumberland Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS Shellfish Condemnation Number 015-022F, 5/9/2016

The impairment is considered nested within the Dividing Creek Shellfish TMDL, which was approved by the EPA on 6/8/2006.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_OHC01A08 / Old House Cove / Described in VDH-DSS 4A SFC 015-022F, 5/9/2016.	Fecal Coliform	2018	L	0.024

CB5MH

Old House Cove

**Shellfishing**

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.024</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-48-SF

**Chases Cove**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 016-024D, 12/30/2015

City / County: Lancaster Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS Shellfish Condemnation 016-024D, 12/30/2015

The upper portion of Dymer Creek was included on the 1998 303(d) list due to VDH condemnation 24A, 3/5/1997. During the 2006 cycle, the condemnation expanded downstream into Chases Cove. However, during the 2008 cycle, the condemnations shrank and split into two separate condemnations - 016-024A Dymer Creek and 016-024F, Chases Cove. Since Chases Cove was first impaired during the 2006 cycle, the TMDL was due in 2018.

The Shellfish TMDL for Dymer Creek (which included Chases Cove) was developed during the 2010 cycle. The TMDL addressed the maximum extent of the condemnation, which occurred on 1/28/2005.

The condemnation has subsequently shortened and split. The open area was partially delisted (Cat 2C).

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_CHA01B12 / Chases Cove / Described in condemnation4A notices 016-024D, 12/30/2015	Fecal Coliform	2006	L	0.023

CB5MH

Chases Cove

**Shellfishing**

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.023</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-50-SF

**Antipoison Creek, UT**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 017-188B, 12/16/2014

City / County: Lancaster Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS Shellfish Condemnation Notice 017-188B, 12/16/2014

The upper portion of Antipoison Creek was included on the 1998 303(d) list due to condemnation 188, 6/3/1996. During the 2006 cycle the condemnation expanded considerably. As the lower sections were first impaired in the 2006 cycle, the TMDLs for those portions were due in 2018 (also see C01E-51-SF).

The Shellfish TMDL for Antipoison Creek was developed for Antipoison Creek in its entirety to match the maximum extent of condemnation, which occurred on 7/13/2004. The condemned area is considered Category 4A.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_ANT01C08 / Antipoison Creek, UT / Described in the condemnation notice 017-188B, 12/16/2014.	4A	Fecal Coliform	2006	L	0.013

CB5MH

Antipoison Creek, UT	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.013</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-51-SF

**Antipoison Creek, UT**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 017-188C, 12/16/2014

City / County: Lancaster Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS Shellfish Condemnation Notice 017-188C, 12/16/2014

The upper portion of Antipoison Creek was included on the 1998 303(d) list due to condemnation 188, 6/3/1996. During the 2006 cycle the condemnation expanded considerably. As the lower sections were first impaired in the 2006 cycle, the TMDLs for those portions were due in 2018 (also see C01E-50-SF).

The Shellfish TMDL for Antipoison Creek was developed for Antipoison Creek in its entirety to match the maximum extent of condemnation, which occurred on 7/13/2004. The condemned areas are considered Category 4A.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_ANT01B08 / Antipoison Creek, UT / Described in the condemnation notice 017-188C, 12/16/2014.	4A	Fecal Coliform	2006	L	0.004

CB5MH

Antipoison Creek, UT	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.004</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-53-SF

**Owens Pond**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 011-122B, 8/31/2016

City / County: Northumberland Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS Shellfish Condemnation Notice 011-122B, 8/31/2016

Owens Pond was listed on the 1998 303(d) list due to VDH condemnation 122, 1/3/1992. The Shellfish TMDL was developed was approved by the EPA on 6/19/2009 and by the SWCB on 11/14/2009.

The condemnation was lifted on 9/29/2008; therefore, the segment was delisted (Category 2C) (C10E-10-SF / 00967). However, portions of Owens Pond were relisted in the 2012 cycle and are considered Category 4A.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_OWP02B12 / Owens Pond / VDH-DSS condemnation 011-122B, 8/31/2016.	4A	Fecal Coliform	2012	L	0.037

CB5MH

Owens Pond	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.037</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-54-SF

**Owens Pond**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 011-122C, 8/31/2016

City / County: Northumberland Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS Shellfish Condemnation Notice 011-122C, 8/31/2016

Owens Pond was listed on the 1998 303(d) list due to VDH condemnation 122, 1/3/1992. The Shellfish TMDL was developed during the 2010 cycle and was approved by the EPA on 6/19/2009 and by the SWCB on 11/14/2009.

The condemnation was lifted on 9/29/2008; therefore, the segment was delisted (Category 2C) (C10E-10-SF / 00967). However, portions of Owens Pond were relisted in the 2012 cycle and are considered Category 4A.

The condemnation expanded in the 2014 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_OWP02C12 / Owens Pond / VDH-DSS condemnation 011-122C, 8/31/2016.	4A	Fecal Coliform	2012	L	0.073

CB5MH

Owens Pond	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:			<b>0.073</b>

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-55-BAC

**Head River Branch**

Cause Location: Tidal extent of Head River Branch downstream to mouth at Bush Mill Stream.

City / County: Northumberland Co.

Use(s): Recreation

Cause(s) / VA Category: Enterococcus / 4A

During the 2012 cycle, Head River Branch was impaired of the Recreation Use due to an enterococci exceedance rate of 7/12 at 7-HRB000.54, which is located at Route 642.

However, the area is within the study area for the Great Wicomico River Shellfish Bacterial TMDL, which was approved by the EPA on 6/8/2006. The bacterial impairment is considered nested.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_HRB01A12 / Head River Branch / Tidal limit to mouth at 4A Bush Mill Stream.	Enterococcus	2012	L	0.020

CB5MH

Head River Branch	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>			
Enterococcus - Total Impaired Size by Water Type:	<b>0.020</b>		

Sources:

Non-Point Source



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-56-SF

**Penny Creek**

Cause Location: Described in VDH Condemnation Number 013-220D, 4/28/2016

City / County: Northumberland Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS condemnation 013-220D, 4/28/2016

The impairment is considered nested within the nearby Warehouse Creek Shellfish TMDL. The TMDL was developed as part of the Great Wicomico River Watershed TMDL report and was approved by the EPA on 6/8/2006.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_PEN01A12 / Penny Creek / Described in VDH-DSS Condemnation 013-220D, 4/28/2016	4A	Fecal Coliform	2012	L	0.009
CB5MH					
Penny Creek			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing					
Fecal Coliform - Total Impaired Size by Water Type:			0.009		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-58-SF

**XEV - Mill Creek, UT**

Cause Location: Described in VDH Condemnation Number 014-123C, 5/9/2016

City / County: Lancaster Co. Northumberland Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS condemnation 014-123C, 5/9/2016

The impairment is nested within the nearby Mill Creek Shellfish TMDL, which was approved by the EPA on 8/22/2007.

Size increased during the 2016 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_XEV01A12 / XEV - Mill Creek, UT / Described in VDH-DSS condemnation 014-123C, 5/9/2016.	4A Fecal Coliform	2012	L	0.007

CB5MH

XEV - Mill Creek, UT	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing			
Fecal Coliform - Total Impaired Size by Water Type:	0.007		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-59-BAC

**Dividing Creek and XDB - Dividing Creek, UT**

Cause Location: Described in VDH Condemnation Number 015-022A, 5/9/2016

City / County: Northumberland Co.

Use(s): Recreation

Cause(s) / VA Category: Enterococcus / 4A

During the 2012 cycle, upper tidal Dividing Creek was impaired of the Recreation Use due to an enterococci exceedance rate of 3/4 at 7-XDB000.08. The exceedance rate was 7/24 during the 2016 cycle.

The area is within the study area for the Dividing Creek Shellfish Bacterial TMDL, which was approved by the EPA on 6/8/2006. Implementation of the TMDL is expected to address the Recreation Use impairment; therefore, it is considered nested.

The size was changed in the 2016 and 2018 cycles to remain coincident with the shellfish condemnation.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_DIV01A98 / Dividing Creek / Described in VDH-DSS condemnation 015-022A, 5/9/2016.	4A	Enterococcus	2012	L	0.091

Segment expanded in the 2018 cycle.

Dividing Creek and XDB - Dividing Creek, UT	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>			
Enterococcus - Total Impaired Size by Water Type:	<b>0.091</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01E-64-BAC

**Bush Mill Stream**

Cause Location: Tidal extent of Bush Mill Stream downstream to mouth at the Great Wicomico River.

City / County: Northumberland Co.

Use(s): Recreation

Cause(s) / VA Category: Enterococcus / 4A

During the 2012 cycle, Bush Mill Stream was impaired of the Recreation Use due to an enterococci exceedance rate of 4/12 at 7-BMS002.08, which is located at Route 201.

However, the area is within the study area for the Great Wicomico River Shellfish Bacterial TMDL, which was approved by the EPA on 6/8/2006. The bacterial impairment is considered nested.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_BMS01A12 / Bush Mill Stream / Tidal limit to mouth at Great Wicomico River	4A	Enterococcus	2012	L	0.095

CB5MH

Bush Mill Stream	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>			
Enterococcus - Total Impaired Size by Water Type:	<b>0.095</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01R-01-BAC

**Crabbe Mill Stream**

Cause Location: The nontidal mainstem of Crabbe Mill Stream.

City / County: Northumberland Co.

Use(s): Recreation

Cause(s) / VA Category: Escherichia coli / 5A

During the 2012 cycle, Crabbe Mill Stream was impaired of the Recreation Use due to an E. coli exceedance rate of 2/12 at 7-CMS002.00, which is located at Route 201.

Although Crabbe Mill Stream is within the TMDL study area for the Great Wicomico River Shellfish Bacterial TMDL, there is a VPDES discharger which drains to the stream that was not addressed in the TMDL; therefore, the impairment cannot be nested.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01R_CMS01A00 / Crabbe Mill Stream / From its headwaters to the tidal limit.	5A Escherichia coli	2012	L	3.90
Crabbe Mill Stream		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>	Escherichia coli - Total Impaired Size by Water Type:			<b>3.90</b>

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **C01R-01-DO**

**Crabbe Mill Stream**

Cause Location: The nontidal mainstem of Crabbe Mill Stream.

City / County: Northumberland Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Oxygen, Dissolved / 5C

During the 2012 cycle, Crabbe Mill Stream was impaired of the Aquatic Life Use due to a dissolved oxygen violation rate of 3/14 at 7-CMS002.00. Monitoring at 7-CMS000.12 was acceptable (1/17).

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01R_CMS01A00 / Crabbe Mill Stream / From its headwaters to the tidal limit.	5C Oxygen, Dissolved	2012	L	3.90
Crabbe Mill Stream		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>	Oxygen, Dissolved - Total Impaired Size by Water Type:			<b>3.90</b>

Sources:

Natural Conditions - Water  
Quality Standards Use  
Attainability Analyses  
Needed

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C01R-01-PH

**Crabbe Mill Stream**

Cause Location: The nontidal mainstem of Crabbe Mill Stream.

City / County: Northumberland Co.

Use(s): Aquatic Life

Cause(s) / VA Category: pH / 5C

During the 2012 cycle, Crabbe Mill Stream was impaired of the Aquatic Life Use due to pH violation rates of 2/17 at 7-CMS000.12 and 2/14 at 7-CMS002.00.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01R_CMS01A00 / Crabbe Mill Stream / From its headwaters to the tidal limit.	5C pH	2012	L	3.90
Crabbe Mill Stream		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>	pH - Total Impaired Size by Water Type:			<b>3.90</b>

Sources:

Natural Conditions - Water  
Quality Standards Use  
Attainability Analyses  
Needed

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **C01R-02-BEN**

**Dymer Creek**

Cause Location: The nontidal mainstem of Dymer Creek

City / County: Lancaster Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

During the 2014 cycle, nontidal Dymer Creek was impaired of the Aquatic Life Use due to an impacted benthic community at 7-DYM003.52, which is located at the Route 200 bridge.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01R_DYM01A14 / Dymer Creek / Headwaters to tidal limit	5A	Benthic-Macroinvertebrate Bioassessments	2014	L	2.06
Dymer Creek					
<b>Aquatic Life</b>			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:					<b>2.06</b>

Sources:

Source Unknown



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C02R-01-BAC

**Dragon Swamp**

Cause Location: From the Route 602 bridge downstream to the tidal limit.

City / County: Gloucester Co. King And Queen Co. Middlesex Co.

Use(s): Recreation

Cause(s) / VA Category: Escherichia coli / 4A

During the 2014 cycle, Dragon Swamp was assessed as impaired of the Recreation Use due to an E. coli exceedance rate of 9/36 at 7-DRN010.48 (Route 603 bridge).

The exceedance rate was 7/58 during the 2018 cycle.

Dragon Swamp is located within the study area for the Upper Piankatank River Shellfish TMDL, which was approved by the EPA on 6/7/2006 and by the 3/23/2007. As the TMDL sets bacteria reductions for the watershed, the Recreation Use impairment will be considered nested (Category 4A.)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C02R_DRN01A98 / Dragon Swamp / From the Route 602 bridge (rm 15.08) to the tidal limit.	4A	Escherichia coli	2014	L	12.37
Dragon Swamp			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Recreation					
Escherichia coli - Total Impaired Size by Water Type:					<b>12.37</b>

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C02R-03-HG

**Dragon Swamp/Piankatank River**

Cause Location: Dragon Swamp and the Piankatank River from the headwaters near the State Route 620 bridge downstream to Deep Point Boat Landing (Rt. 606) across from Piankatank Shores.

City / County: Essex Co. Gloucester Co. King And Queen Co. Middlesex Co.

Use(s): Fish Consumption

Cause(s) / VA Category: Mercury in Fish Tissue / 5A

Dragon Swamp and the Piankatank River are considered impaired of the Fish Consumption Use based on DEQ monitoring which has indicated elevated levels of mercury in largemouth bass.

Mercury exceedances at:

7-DRN003.40

7-DRN023.41

7-DRN001.43

7-PNK017.47

7-PNK020.42

A portion of this area was considered fully supporting but threatened in 2002 based on these results. VDH subsequently issued a fish consumption advisory and the stream was downgraded to impaired.

In July 2005, VDH extended the Fish Consumption Advisory boundary to include the entire length of Dragon Swamp from the headwaters near Rt. 620 downstream to Deep Point Boat Landing. No more than two meals/month of largemouth bass are recommended. 7-

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C02E_DRN01A02 / Dragon Swamp / The tidal portion of Dragon Swamp to its mouth at the Piankatank River.	5A	Mercury in Fish Tissue	2004	L	0.823
PIAMH					
VAP-C02R_DRN01A98 / Dragon Swamp / From the Route 602 bridge (rm 15.08) to the tidal limit.	5A	Mercury in Fish Tissue	2006	L	12.37
VAP-C02R_DRN02A04 / Dragon Swamp / Perennial headwaters near Route 620 to Route 602 bridge.	5A	Mercury in Fish Tissue	2006	L	19.26
VAP-C02R_DRN03A10 / Dragon Swamp / Headwaters to perennial headwaters	5A	Mercury in Fish Tissue	2006	L	0.34
VAP-C03E_HRP01A98 / Harper Creek / Described in the condemnation notice 076B, 6/10/1997.	5A	Mercury in Fish Tissue	2008	L	0.062
PIAMH					
VAP-C03E_PNK01A02 / Piankatank River / Portions of VDH-DSS condemnation 035-076A, 11/21/2016 open on 6/10/1997. Segment ends at Deep Point Boat Landing.	5A	Mercury in Fish Tissue	2004	L	0.558
Expanded in the 2018 cycle.					
PIAMH					
VAP-C03E_PNK01A98 / Piankatank River / Watershed limit (start of Piankatank River) downstream to limit of SFC 035-076A, 6/10/1997.	5A	Mercury in Fish Tissue	2004	L	1.280

PIAMH

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

Dragon Swamp/Piankatank River

### **Fish Consumption**

Estuary  
(Sq. Miles)

Reservoir  
(Acres)

River  
(Miles)

Mercury in Fish Tissue - Total Impaired Size by Water Type:

**2.723**

**31.97**

### Sources:

Atmospheric Deposition -  
Toxics

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C02R-04-BAC

**Exol Swamp**

Cause Location: Exol Swamp from its perennial headwaters to mouth at Dragon Swamp

City / County: King And Queen Co.

Use(s): Recreation

Cause(s) / VA Category: Escherichia coli / 4A

During the 2016 cycle, Exol Swamp was impaired of the Recreation Use due to an E. coli exceedance rate of 2/12 at 7-EXE000.81, which is located at the Route 614 bridge.

Exol Swamp is located within the study area for the Upper Piankatank River Shellfish TMDL, which was approved by the EPA on 6/7/2006 and by the 3/23/2007. As the TMDL sets bacteria reductions for the watershed, the Recreation Use impairment is considered nested (Category 4A.)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C02R_EXE01A06 / Exol Swamp / Perennial headwaters downstream to mouth at Dragon Swamp.	4A	Escherichia coli	2016	L	11.34

Exol Swamp

**Recreation**

Estuary  
(Sq. Miles)

Reservoir  
(Acres)

River  
(Miles)

Escherichia coli - Total Impaired Size by Water Type:

**11.34**

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C02R-11-BAC

**XFB - Dragon Swamp, UT**

Cause Location: Headwaters to mouth at Dragon Swamp

City / County: Gloucester Co. King And Queen Co. Middlesex Co.

Use(s): Recreation

Cause(s) / VA Category: Escherichia coli / 4A

During the 2018 cycle, the tributary was impaired of the Recreation Use due to an E. coli exceedance rate of 6/11 at 7-XFB000.13, which is located at Route 603.

The stream is located within the study area for the Upper Piankatank River Shellfish TMDL, which was approved by the EPA on 6/7/2006 and by the 3/23/2007. As the TMDL sets bacteria reductions for the watershed, the Recreation Use impairment will be considered nested (Category 4A.)

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C02R_XFB01A18 / XFB - Dragon Swamp, UT / Headwaters to mouth at Dragon Swamp	4A Escherichia coli	2018	L	1.47
XFB - Dragon Swamp, UT		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>	Escherichia coli - Total Impaired Size by Water Type:			<b>1.47</b>

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C03E-01-BAC

**Harpers Creek**

Cause Location: Tidal limit to downstream extent of VDH-DSS condemnation 076B, 6/10/1997

City / County: Gloucester Co.

Use(s): Recreation

Cause(s) / VA Category: Enterococcus / 4A

During the 2010 cycle, tidal Harpers Creek was assessed as not supporting of the Recreation Use due to a enterococci exceedance rate of 7/10 at 7-HRP001.15, which is located at Rt. 198.

This impairment is considered nested within the area addressed by the Upper Piankatank River Shellfish TMDL, which was approved by the EPA on 6/7/2006.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_HRP01A98 / Harper Creek / Described in the condemnation notice 076B, 6/10/1997.	4A	Enterococcus	2010	L	0.062

PIAMH

Harpers Creek

**Recreation**

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	<b>0.062</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C03E-02-SF

**Piankatank River/Harpers Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnations 076A and 076B, 6/10/1997.

City / County: Gloucester Co. Middlesex Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

Portions of VDH Shellfish Condemnation 035-076A, 11/21/2016

During the 1998 cycle, the tidal Piankatank River above Anderson Point and Harpers Creek were included on the 303(d) list due to VDH condemnations 76A and 76B (6/10/1997), respectively.

The Upper Piankatank River Shellfish TMDL was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007.

FYI - The Piankatank River condemnation expanded during the 2014 cycle and is now larger than the original 1998 impairment (see C01E-20-SF for the expansion).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C02E_DRN01A02 / Dragon Swamp / The tidal portion of Dragon Swamp to its mouth at the Piankatank River.	4A	Fecal Coliform	1998	L	0.823
PIAMH					
VAP-C03E_HRP01A98 / Harper Creek / Described in the condemnation notice 076B, 6/10/1997.	4A	Fecal Coliform	1998	L	0.062
PIAMH					
VAP-C03E_PNK01A98 / Piankatank River / Watershed limit (start of 4A Piankatank River) downstream to limit of SFC 035-076A, 6/10/1997.	4A	Fecal Coliform	1998	L	1.280
PIAMH					
Piankatank River/Harpers Creek			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing					
Fecal Coliform - Total Impaired Size by Water Type:			2.165		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C03E-03-SF

**Frenchs Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 035-076D, 11/21/2016

City / County: Gloucester Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH Shellfish Condemnation 035-076D, 11/21/2016

Frenchs Creek was initially listed as impaired of the Shellfish Consumption Use during the 2002 cycle based on VDH-DSS Shellfish Condemnation Notice 076B, 6/6/2000.

Frenchs Creek is nested within the Upper Piankatank River Shellfish TMDL, which was approved by the EPA on 6/7/2006.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_FRE01A02 / Frenchs Creek / As described in the condemnation notice 035-076D, 11/12/2016.	4A	Fecal Coliform	2002	L	0.010

PIAMH

Frenchs Creek

**Shellfishing**

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.010</b>		

Sources:

Non-Point Source



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C03E-04-BAC

**Ferry Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 035-076B, 11/21/2016

City / County: Gloucester Co.

Use(s): Recreation

Cause(s) / VA Category: Enterococcus / 4A

During the 2010 cycle, Ferry Creek was assessed as impaired of the Recreation Use due to an enterococci exceedance rate of 2/10 at 7-FER000.92, which is located at a private dock off of Route 608.

The impairment is nested in the Upper Piankatank River Shellfish TMDL, which was approved by the EPA on 6/7/2006.

Segment adjusted in the 2018 cycle to remain coincident with the shellfish condemnation.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_FER01A98 / Ferry Creek / Described in the condemnation notice 035-076B, 11/21/2016.	4A Enterococcus	2010	L	0.125

Expanded in the 2018 cycle.

PIAMH

Ferry Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>			
Enterococcus - Total Impaired Size by Water Type:	<b>0.125</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C03E-04-SF

**Ferry Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 035-076B, 11/21/2016

City / County: Gloucester Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS Shellfish Condemnation Notice 035-076B, 11/21/2016

It is nested in the upstream Piankatank River and Harper Creek Shellfish TMDL, which was approved by the EPA on 6/7/2006.

The condemnation expanded in the 2018 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_FER01A98 / Ferry Creek / Described in the condemnation notice 035-076B, 11/21/2016.	4A	Fecal Coliform	2014	L	0.125

Expanded in the 2018 cycle.

PIAMH

Ferry Creek

**Shellfishing**

Fecal Coliform - Total Impaired Size by Water Type:

Estuary  
(Sq. Miles)

Reservoir  
(Acres)

River  
(Miles)

**0.125**

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C03E-05-SF

**Wilton Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 034-126A, 11/12/2014

City / County: Middlesex Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS Shellfish Condemnation Notice 035-126A, 11/12/2014

This segment was originally listed in 1998 as not supporting for the Shellfish Use based on VDH-DSS Shellfish Condemnation 126, 3/2/1993. The "Piankatank River, Lower Watershed TMDL Report for Shellfish Condemnation Areas Listed Due to Bacteria Contamination" was completed and EPA approved on 11/15/2005.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_WLT01A98 / Wilton Creek / Described in the condemnation notice 034-126A, 11/12/2014	4A Fecal Coliform	1998	L	0.134

PIAMH

Wilton Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing			
Fecal Coliform - Total Impaired Size by Water Type:	0.134		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C03E-06-SF

**Healy Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 034-208C, 11/21/2016.

City / County: Middlesex Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS Shellfish Condemnation Notice 034-208C, 11/21/2016

The upper portion of Healy Creek was originally listed in 1998 as not supporting for the Shellfish Use based on VDH-DSS Shellfish Condemnation 129, 3/3/1997.

The Piankatank River, Lower Watershed TMDL Report for Shellfish Condemnation Areas Listed Due to Bacteria Contamination was approved by the EPA on 11/15/2005.

The condemnation expanded in the 2016 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_HEA01A02 / Healy Creek / Described in the VDH-DSS Shellfish Condemnation Notice 034-208C, 11/21/2016	4A	Fecal Coliform	1998	L	0.071

PIAMH

Healy Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.071</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C03E-07-SF

**Moore Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 034-208A, 11/21/2016

City / County: Middlesex Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS Condemnation 034-208A, 11/21/2016

The Moore Creek shellfish use impairment is nested within the nearby Healy Creek TMDL, which was addressed in the report "Piankatank River, Lower Watershed TMDL Report for Shellfish Condemnation Areas Listed Due to Bacteria Contamination". The TMDL was approved by the EPA on 11/15/2005.

Size reduced in the 2018 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_MRE01A02 / Moore Creek / As described in the condemnation notice 034-208A, 11/21/2016.	4A	Fecal Coliform	2002	L	0.040

Size reduced in the 2018 cycle.

PIAMH

Moore Creek

**Shellfishing**

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.040</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C03E-08-SF

**Jackson Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 084A, 11/1/1996

City / County: Middlesex Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

Portion of VDH-DSS SFC Notice 033-084A, 11/12/2014

Two areas of Jackson Creek were listed as impaired on the 1998 303(d) list due to VDH Condemnation 84A & B, 11/1/1996. Although the condemnations expanded and merged in the 12/30/2004 condemnation, the bacteria TMDL, which was developed by the DEQ and approved by the EPA on 6/7/2006 only addressed the original areas. This area is classified as Category 4A.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_JCK01A98 / Jackson Creek / Described in the condemnation notice 84A, 11/1/1996	4A	Fecal Coliform	1998	L	0.019

PIAMH

Jackson Creek

**Shellfishing**

Fecal Coliform - Total Impaired Size by Water Type:

Estuary  
(Sq. Miles)

Reservoir  
(Acres)

River  
(Miles)

**0.019**

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C03E-08-SF2

**Jackson Creek**

Cause Location: Portion of VDH Notice and Description of Shellfish Condemnation 033-084A, 11/12/2014 not included in condemnations 84A & 84B, 11/1/1996

City / County: Middlesex Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

Portion of VDH-DSS Condemnation 033-084A, 11/12/2014

Two areas of Jackson Creek were listed as impaired on the 1998 303(d) list due to VDH Condemnation 84A & B, 11/1/1996. Although the condemnations expanded and merged in the 033-084A, 12/30/2004 condemnation, the bacteria TMDL, which was developed by the DEQ and approved by the EPA on 6/7/2006 only addressed the original areas. These areas are classified as Category 4A.

The TMDL for the expansion was due in 2018. However, during the 2010 cycle, the condemned portion shrank considerably. The majority of the area is now only seasonally condemned and was partially delisted.

The condemned expansion is nested in the Jackson Creek TMDL and is considered Category 4A.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_JCK01C08 / Jackson Creek / Portion of condemnation notice 033-084A, 11/12/2014 not included in 84A, 11/1/1996	4A	Fecal Coliform	2006	L	0.002

PIAMH

Jackson Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.002</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C03E-09-SF

**Piankatank River, UT**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 034-126C, 11/12/2014

City / County: Gloucester Co.

Mathews Co.

Middlesex Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH Shellfish Condemnation 034-126C, 11/12/2014

The impairment is nested in the Wilton Creek TMDL, which was developed as part of the Lower Piankatank River Shellfish TMDL. The report was approved by the EPA on 11/15/2005 and by the SWCB on 9/27/2006.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_PNK07B08 / Piankatank River, UT / Described in VDH- DSS SFC 034-126C, 11/12/2014.	4A Fecal Coliform	2016	L	0.007

PIAMH

Piankatank River, UT

**Shellfishing**

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.007</b>		

Sources:

Non-Point Source



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C03E-10-EBEN      **Piankatank River**

Cause Location: Piankatank River / Dragon Swamp tidal mainstem

City / County: Gloucester Co.      Mathews Co.      Middlesex Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Estuarine Bioassessments / 5A

During the 2006 cycle, the Piankatank River from Pond Point to just upstream of Iron Point was impaired of the Aquatic Life Use based on information collected from the Coastal 2000 station 7-PNK005.20 in 2003.

During the 2008 cycle, Coastal 2000 monitoring in 2004 at station 7-PNK005.35 also indicated benthic impairment. In addition, estuarine probabilistic monitoring was conducted at Coastal 2000 station 7-PNK010.41. The data was assessed by DEQ's Central Office staff who considered the area around Berkley Island as impaired due to alteration of the benthic community (C03E-14-EBEN due 2020).

During the 2014 cycle, the entire mainstem Piankatank River/Dragon Swamp was impaired of the Aquatic Life Use based on the Chesapeake Bay Benthic Index of Biological Integrity. The impairment was expanded. The TMDL due date is 2018 to reflect the earliest benthic impairment within the segment.

In addition, 2011 monitoring at Coastal 2000 station 7BPNK003.14 indicated benthic impairment. There is a high potential of chronic effects due to sediment PAHs.

During the 2016 cycle, benthic impairment was noted at Coastal 2000 estuarine probabilistic monitoring station 7BPNK016.89 (Category 5A, scenario 8.)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C02E_DRN01A02 / Dragon Swamp / The tidal portion of Dragon Swamp to its mouth at the Piankatank River.	5A	Estuarine Bioassessments	2014	L	0.823
PIAMH					
VAP-C03E_PNK01A02 / Piankatank River / Portions of VDH-DSS condemnation 035-076A, 11/21/2016 open on 6/10/1997. Segment ends at Deep Point Boat Landing.	5A	Estuarine Bioassessments	2014	L	0.558
Expanded in the 2018 cycle.					
PIAMH					
VAP-C03E_PNK01A98 / Piankatank River / Watershed limit (start of 5A Piankatank River) downstream to limit of SFC 035-076A, 6/10/1997.	5A	Estuarine Bioassessments	2014	L	1.280
PIAMH					
VAP-C03E_PNK02A00 / Piankatank River / Mainstem Piankatank from Deep Point Boat Landing downstream to PNK03A00, excluding the Berkley Island area.	5A	Estuarine Bioassessments	2014	L	4.007
PIAMH					
VAP-C03E_PNK02B08 / Piankatank River / Bend around Berkley Island	5A	Estuarine Bioassessments	2008	L	0.785
PIAMH					
VAP-C03E_PNK03A00 / Piankatank River / One-half mile radius around monitoring station 7-PNK005.36 on the Piankatank River	5A	Estuarine Bioassessments	2006	L	1.167

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

between Pond Point and Iron Point.

PIAMH

VAP-C03E_PNK04A00 / Piankatank River / Mainstem Piankatank River from PNK03A00 downstream to the point at Fishing Bay.	iA	Estuarine Bioassessments	2014	L	3.528
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PIAMH

VAP-C03E_PNK04B06 / Piankatank River / As described in VDH-DSS SFC 034-208M1, 11/21/2016.	iA	Estuarine Bioassessments	2014	L	0.040
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PIAMH

VAP-C03E_PNK04C06 / Piankatank River, Fishing Bay / As described in VDH-DSS SFC 034-208 M2, 11/21/2016.	iA	Estuarine Bioassessments	2014	L	0.085
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PIAMH

VAP-C03E_PNK05A02 / Piankatank River / Piankatank River downstream of Fishing Bay at Stove Point to mouth at Chesapeake Bay	iA	Estuarine Bioassessments	2014	L	4.942
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PIAMH

VAP-C04E_MLF04A06 / Milford Haven / Hills Bay	5A	Estuarine Bioassessments	2014	L	2.283
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PIAMH

Piankatank River	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>			
Estuarine Bioassessments - Total Impaired Size by Water Type:	<b>19.498</b>		

Sources:

Changes in Ordinary  
Stratification and Bottom  
Water Hypoxia/Anoxia

Contaminated Sediments

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C03E-11-SF

**Jackson Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 033-084B, 11/12/2014

City / County: Middlesex Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS SFC Notice 033-084B, 11/12/2014

Two areas of Jackson Creek were listed as impaired on the 1998 303(d) list due to VDH Condemnation 84A & B, 11/1/1996.

The bacteria TMDL was developed by the DEQ and approved by the EPA on 6/7/2006.

This area was delisted in 2010 and relisted in 2014. The condemnation expanded slightly in the 2016 cycle. This area is classified as Category 4A.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_JCK01B08 / Jackson Creek / Described in the condemnation notice 033-084B, 11/12/2014.	4A	Fecal Coliform	2014	L	0.013

PIAMH

Jackson Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.013</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C03E-12-SF

**Cobbs Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 034-126B, 11/12/2014

City / County: Mathews Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS Condemnation 034-126B, 11/12/2014

The upper portion of Cobbs Creek was originally listed in 1998 as not supporting for the Shellfish Use based on VDH-DSS Shellfish Condemnation 170, 3/2/1993.

The Piankatank River, Lower Watershed TMDL Report for Shellfish Condemnation Areas Listed due to Bacteria Contamination was approved by the EPA on 11/15/2005.

During the 2012 cycle, the majority Cobbs Creek was delisted and classified Category 2C. A portion that was not impaired in 1998 remained Category 4A due to VDH-DSS condemnation 034-126B, 9/5/2012. (It was mistakenly considered nested; however, the TMDL addressed all of Cobbs Creek.)

The condemnation expanded in the 2016 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_COB02C10 / Cobbs Creek / Described in VDH-DSS condemnation 034-126B, 11/12/2014	4A	Fecal Coliform	2014	L	0.086

PIAMH

Cobbs Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.086</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C03E-13-SF

**Jackson Creek, UT**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 033-084C, 11/12/2014

City / County: Middlesex Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS Condemnation Notice 033-084C, 11/12/2014

The impairment is nested within the neighboring Jackson Creek Shellfish TMDL, which was approved by the EPA on 6/7/2006. It is considered Category 4A.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_JCK01C14 / Jackson Creek, UT / Described in VDH-DSS condemnation notice 033-084C, 11/12/2014.	4A	Fecal Coliform	2014	L	0.033

PIAMH

Jackson Creek, UT

**Shellfishing**

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.033</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C03E-15-SF

**Dancing Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 035-076C, 11/21/2016

City / County: Gloucester Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS Shellfish Condemnation Notice 035-076C, 11/21/2016

It is nested in the upstream Piankatank River and Harper Creek Shellfish TMDL, which was approved by the EPA on 6/7/2006.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_DAN01A08 / Dancing Creek / Described in VDH condemnation 025-076C, 11/21/2016	4A	Fecal Coliform	2008	L	0.034

PIAMH

Dancing Creek

**Shellfishing**

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.034</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C03E-16-BAC

**Piankatank River**

Cause Location: Piankatank River's bend around Berkley Island

City / County: Middlesex Co.

Use(s): Recreation

Cause(s) / VA Category: Enterococcus / 5A

During the 2014 cycle, the Piankatank River around Berkley Island was impaired of the Recreation Use due to an enterococci exceedance rate of 4/12 at 7-PNK010.39, which is located at the end of Route 630.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_PNK02B08 / Piankatank River / Bend around Berkley Island	5A	Enterococcus	2014	L	0.785

PIAMH

Piankatank River	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>			
Enterococcus - Total Impaired Size by Water Type:	<b>0.785</b>		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C03E-17-BAC

**Piankatank River**

Cause Location: One-half mile radius around monitoring station 7-PNK005.36 on the Piankatank River between Pond Point and Iron Point.

City / County: Mathews Co. Middlesex Co.

Use(s): Recreation

Cause(s) / VA Category: Escherichia coli / 5A

During the 2016 cycle, the segment was impaired of the Recreation Use due to an enterococci exceedance rate of 2/11 at 7-PNK05.78, which is located at the Route 630 boat ramp.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_PNK03A00 / Piankatank River / One-half mile radius around monitoring station 7-PNK005.36 on the Piankatank River between Pond Point and Iron Point.	5A	Escherichia coli	2016	L	1.167

PIAMH

Piankatank River

**Recreation**

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli - Total Impaired Size by Water Type:	<b>1.167</b>		

Sources:

Source Unknown



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **C03E-18-SF**

**Cores Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 034-208D, 11/21/2016

City / County: Middlesex Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS Shellfish Condemnation 035-208D, 11/21/2016

It is nested within the neighboring Healy Creek TMDL, which was addressed in the report ""Piankatank River, Lower Watershed TMDL Report for Shellfish Condemnation Areas Listed Due to Bacteria Contamination." The TMDL was approved by the EPA on 11/15/2005.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_COR01A08 / Cores Creek / Described in VDH-DSS condemnation 034-208D, 11/21/2016.	4A	Fecal Coliform	2014	L	0.018

PIAMH

Cores Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.018</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C03E-19-SF

**Porpoise Cove**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 034-208B, 11/21/2016

City / County: Middlesex Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS Shellfish Condemnation Notice 034-208B, 11/21/2016

The Porpoise Cove shellfish use impairment is nested within the nearby Healy Creek TMDL, which was addressed in the report "Piankatank River, Lower Watershed TMDL Report for Shellfish Condemnation Areas Listed Due to Bacteria Contamination". The TMDL was approved by the EPA on 11/15/2005.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_PNK04D08 / Porpoise Cove / As described in VDH-DSS4A SFC 034-208B, 11/21/2016	Fecal Coliform	2008	L	0.011

PIAMH

Porpoise Cove	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.011</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C03E-20-SF

**Piankatank River**

Cause Location: Portion of VDH Notice and Description of Shellfish Condemnation 035-076A, 11/21/2016 not included in the 6/10/1997 condemnation

City / County: Gloucester Co. Middlesex Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

Portion of VDH Shellfish Condemnations 035-076A, 11/21/2018

During the 1998 cycle, the tidal Piankatank River above Anderson Point and Harpers Creek were included on the 303(d) list due to VDH condemnations 76A and 76B (6/10/1997), respectively. The shellfish bacteria TMDL was developed by the DEQ and approved by the EPA on 6/7/2006. The condemnation expanded in the 2014 cycle. The expansion is nested within the Upper Piankatank River Shellfish TMDL.

The condemnation expanded in the 2018 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_PNK01A02 / Piankatank River / Portions of VDH-DSS condemnation 035-076A, 11/21/2016 open on 6/10/1997. Segment ends at Deep Point Boat Landing.	4A	Fecal Coliform	2014	L	0.558

Expanded in the 2018 cycle.

PIAMH

Piankatank River	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.558</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C03E-21-SF

**Piankatank River, UT**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 034-126D, 11/12/2014.

City / County: Gloucester Co. Mathews Co. Middlesex Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH Shellfish Condemnation 034-126D, 11/12/2014

The impairment is nested in the Wilton Creek TMDL, which was developed as part of the Lower Piankatank River Shellfish TMDL. The report was approved by the EPA on 11/15/2005 and by the SWCB on 9/27/2006.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_PNK08B08 / Piankatank River, UT / Described in VDH- DSS SFC 034-126D, 11/12/2014	4A Fecal Coliform	2016	L	0.003

PIAMH

Piankatank River, UT

**Shellfishing**

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.003</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C03E-22-SF

**Jackson Creek, UT**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 034-126E, 11/12/2014.

City / County: Middlesex Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS Condemnation 033-084E, 11/12/2014

The impairment is nested in the Jackson Creek Shellfish TMDL, which was approved by the EPA on 6/7/2006 and by the SWCB on 6/27/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_JCK02B16 / Jackson Creek / Described in VDH-DSS condemnation notice 033-084E, 11/12/2014.	4A	Fecal Coliform	2016	L	0.011

PIAMH

Jackson Creek, UT

**Shellfishing**

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.011</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C04E-01-SF

**Queens Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 037-099A, 2/16/2016

City / County: Mathews Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS condemnation 037-099A, 2/16/2016

A portion of Queens Creek was assessed as impaired of the Shellfish Use during the 1998 cycle due to condemnation 99A, 4/9/1997. The Shellfish TMDL for Queens Creek was approved by the EPA on 1/15/2008 and by the SWCB on 7/31/2008.

**Note:**

During the 2012 cycle, it was determined that the TMDL addressed a smaller segment than previously believed. The Queens Creek mainstem impairment 037-099A, 131/2014 is now smaller than the 1998 impairment and is considered Category 4A/2C. 0.0838 mi2 was partially delisted.

The expansion on Queens Creek was corrected to remove the TMDL. Condemnation 037-099C, 1/28/2010 on Queens Creek, UT is located outside of the TMDL study area. The was due in 2014 since the condemnation first expanded in the 2002 cycle (see C04E-01-SF2)

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_QUE01A98 / Queens Creek / Described in condemnation notices 037-099A, 2/16/2016.	4A Fecal Coliform	1998	L	0.063

Size reduced in the 2018 cycle.

PIAMH

Queens Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.063</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C04E-03-SF

**Edwards Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 036-197D, 2/16/2016

City / County: Mathews Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS Shellfish Condemnation 036-197D, 2/16/2016

A portion of Edwards Creek was included on the 1998 303(d) list due to VDH condemnation 197A, 1/21/1997. The TMDL was approved by the EPA on 1/15/2008 and by the SWCB on 7/31/2008.

During the 2016 cycle, Edwards Creek was open or seasonally condemned (036-197, 1/31/2014); therefore, the impairment was delisted.

The upper portion was relisted in 2018 (Category 4A).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_EDW01B18 / Edwards Creek / Described in VDH condemnation notice 036-197D, 2/16/2016.	4A	Fecal Coliform	2018	L	0.021

PIAMH

Edwards Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing			
Fecal Coliform - Total Impaired Size by Water Type:	0.021		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C04E-04-SF

**Put In Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 5B, 6/5/1996

City / County: Mathews Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

Portion of VDH-DSS SFC Number 041-005A, 9/29/2015

Due to the presence of the HRSD Mathews Courthouse WWTP, the upper portion of Put In Creek was previously listed as prohibited and then switched to administratively condemned in 2014 cycle. The Shellfish Use was considered removed.

A shellfish TMDL has been completed for the downstream condemnation on Put In Creek (C04E-14-SF); the TMDL was approved by the EPA on 2/27/2008 and by the SWCB on 4/28/2009. The WWTP has since been terminated and the area was condemned in the 2016 cycle. The impairment is considered nested in the downstream TMDL.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_PUT02A98 / Put In Creek / Described in the condemnation notice 5B, 6/5/1996.	4A	Fecal Coliform	2016	L	0.021

MOBPH

Put In Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.021</b>		

Sources:

Non-Point Source



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C04E-05-SF

**Stutts Creek and Morris Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Numbers 061A & 61B, 4/4/1997

City / County: Mathews Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH Shellfish Condemnation 037-061A and -061B, 2/16/2016

Portion of VDH Shellfish Condemnations 037-061C, 2/16/2016

Portions of Stutts Creek and Morris Creek were included on the 1998 303(d) list due to VDH Shellfish Condemnations 61A & 61B, 4/4/1997. The condemnations have since merged and separated several times. However, the TMDL, which was developed by the DEQ and was approved by the EPA on 1/15/2008 and by the SWCB on 7/31/2008, only addressed the portions which were impaired during the 1998 cycle. The 1998 portions are considered Category 4A. The expanded areas are addressed in fact sheet C04E-05-SF2.

In the 2014 cycle, condemnation A shrunk and is now smaller than the 1998 impairment. The reopened area was partially delisted (Category 2C). It shrunk further in the 2018 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_MRC01A98 / Morris Creek / Described in condemnation 4A notice 61B, 4/4/1997.		Fecal Coliform	1998	L	0.034
PIAMH					
VAP-C04E_STT01A98 / Stutts Creek / Described in condemnation 4A notice 037-061A and -061B, 2/16/2016.		Fecal Coliform	1998	L	0.062
Size reduced in the 2018 cycle.					
PIAMH					
Stutts Creek and Morris Creek			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing					
Fecal Coliform - Total Impaired Size by Water Type:			0.096		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C04E-05-SF2

**Morris Creek**

Cause Location: Portion of VDH Notice and Description of Shellfish Condemnation Numbers 036-061C, 2/16/2016 not included in 061A & 061B, 4/4/1997

City / County: Mathews Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

Portion of VDH Shellfish Condemnation 037-061C

Portions of Stutts Creek and Morris Creek were included on the 1998 303(d) list due to VDH Shellfish Condemnations 061A & 061B, 4/4/1997. The condemnations have since merged and separated several times. However, the TMDL only addressed the portions which were impaired during the 1998 cycle. The 1998 portions are considered Category 4A (C04E-05-SF). As the segment first expanded on the 2002 303(d) list, the TMDL for the expansions is due in 2014.

During the 2012 cycle, the condemnation shortened and split into three sections (A, E, and F). In the 2014 cycle, the condemnations shrank again and one section converted to seasonally condemned; therefore, the opened area was partially delisted.

It is considered nested in the Stutts Creek Shellfish TMDL. The TMDL was addressed in the Gwynns Island and Milford Haven Watersheds report, which was approved by the EPA on 1/15/2008 and by the SWCB on 7/31/2008.

It shrank considerably in the 2018 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_STT01B10 / Stutts Creek/Morris Creek / Portion of VDH 4A condemnation notice 037-061C, 2/16/2016 not condemned on 4/4/1997.	Fecal Coliform	2002	L	0.005

Shrank considerably in the 2018 cycle.

PIAMH

Morris Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing			
Fecal Coliform - Total Impaired Size by Water Type:		0.005	

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **C04E-06-EBEN**      **Edwards Creek**

Cause Location: Edwards Creek within VDH-DSS condemnation 197B, 1/21/1997

City / County: Mathews Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Estuarine Bioassessments / 5A

During the 2018 cycle, lower Edwards Creek was impaired of the Aquatic Life Use due to a slightly altered benthic community during a one-time sampling event (weight-of-evidence) at Coastal 2000 probabilistic monitoring station 7BEDW000.25.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_EDW02A98 / Edwards Creek / Described in the condemnation notice 036-197B, 1/21/1997.	5A	Estuarine Bioassessments	2018	L	0.047

PIAMH

Edwards Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>			
Estuarine Bioassessments - Total Impaired Size by Water Type:	<b>0.047</b>		

Sources:

Contaminated Sediments      Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C04E-08-SF

**North River**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 157A, 6/3/1997

City / County: Gloucester Co. Mathews Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS SFC Number 042-157A, 5/27/2015

The upstream portion of the North River was included on the 1998 303(d) list due to VDH Shellfish Condemnation 157A, 6/3/1997. The condemnation subsequently expanded, however the DEQ only addressed the original impaired segment during the Bacteria TMDL which was approved by the EPA on 6/7/2006. The original portion will be considered Category 4A. The expanded area was addressed in fact sheet C04E-08-SF2.

In the 2018 cycle, the condemnation shrank considerably and is now smaller than the TMDL area. The expansion will be delisted. The now-opened portion of the TMDL area will be partially delisted (Category 2C.)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_BUR01A00 / Burke Mill Stream / From extent of tide to North River	4A	Fecal Coliform	2010	L	0.025
MOBPH					
VAP-C04E_NOR01A02 / North River / Described in condemnation notice 042-157A, 5/27/2015, excluding tidal Burke Mill Stream.	4A	Fecal Coliform	1998	L	0.250

Split in the 2018 cycle.

MOBPH

North River	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing			
Fecal Coliform - Total Impaired Size by Water Type:	0.275		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C04E-09-SF

**Elmington Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 157B, 6/3/1997

City / County: Gloucester Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

Portion of VDH-DSS condemnation 042-157D, 5/27/2015

The upstream portion of Elmington Creek was included on the 1998 303(d) list due to VDH Shellfish Condemnation 157B, 6/3/1997. The condemnation subsequently expanded; however, the DEQ only addressed the original impaired segment in the North River Bacteria TMDL which was approved by the EPA on 6/7/2006.

During the 2012 cycle, condemnation 042-157B, 6/15/2007 was rescinded and Elmington Creek was reopened for harvest; the entire stream was delisted.

The creek was relisted in the 2014 cycle. The upstream portion is considered Category 4A; the expanded area is addressed in fact sheet C04E-09-SF2.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_ELM01A98 / Elmington Creek / Described in the condemnation notice 157B, 6/3/1997.	4A	Fecal Coliform	2014	L	0.023

MOBPH

Elmington Creek

**Shellfishing**

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.023</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C04E-09-SF2

**Elmington Creek**

Cause Location: Portion of VDH Notice and Description of Shellfish Condemnation 042-157D, 5/27/2015 not included in 157B, 6/3/1997

City / County: Gloucester Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

Portion of VDH-DSS condemnation 042-157D, 5/27/2015

The upstream portion of Elmington Creek was included on the 1998 303(d) list due to VDH Shellfish Condemnation 157B, 6/3/1997. The condemnation subsequently expanded, however the DEQ only addressed the original impaired segment in the North River Bacteria TMDL report.

During the 2012 cycle, condemnation 042-157B, 6/15/2007 was rescinded and Elmington Creek was reopened for harvest; the entire stream was delisted.

The creek was relisted in the 2014 cycle. The upstream portion is considered Category 4A. The expanded area is considered nested in the Elmington Creek TMDL, which was approved by the EPA on 6/7/2006.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_ELM01B08 / Elmington Creek / Portion of VDH condemnation notice 042-157D, 5/27/2015 not included in 157B, 6/3/1997.	4A	Fecal Coliform	2014	L	0.009

MOBPH

Elmington Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing			
Fecal Coliform - Total Impaired Size by Water Type:	0.009		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C04E-10-SF

**Back Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 042-157C, 5/27/2015

City / County: Gloucester Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH Shellfish Condemnation 042-157C, 5/27/2015

Back Creek was included on the 1998 303(d) list due to VDH Shellfish Condemnation 157C, 6/3/1997. The entire creek was addressed in the North River Bacteria TMDL which was approved by the EPA on 6/7/2006.

During the 2012 cycle, VDH Shellfish Condemnation 042-157C, 6/17/2007 shortened and the downstream portion was reopened for harvest (042-157, 6/30/2010); it was partially delisted (Category 2C). The closed portion is assessed as a Category 4A water. The condemned area grew slightly in the 2014 and 2016 cycles.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_BKA01A98 / Back Creek / Described in VDH condemnation notice 042-157C, 5/27/2015	4A	Fecal Coliform	1998	L	0.071

MOBPH

Back Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.071</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **C04E-12-SF**

**Davis Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 042-131C, 6/30/2016

City / County: Gloucester Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS Shellfish Condemnation 042-131C, 6/30/2016

Davis Creek is considered nested within the upstream Blackwater Creek Shellfish TMDL, which was addressed in the North River TMDL report and approved by the EPA on 6/7/2006.

Condemnation shrank in the 2018 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_DAV01A98 / Davis Creek / Described in the condemnation notice 042-131C, 6/30/2016.	4A	Fecal Coliform	2002	L	0.012

Size reduced in the 2018 cycle.

MOBPH

Davis Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.012</b>		

Sources:

Non-Point Source



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C04E-13-SF

**East River**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 92, 1/3/1995

City / County: Mathews Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

Portion of VDH-DSS Shellfish Condemnation 041-092A, 9/30/2016

A portion of the East River was included on the 1998 303(d) list due to VDH-DSS condemnation 92, 1/3/1995. The condemnation expanded in the 2008 cycle and incorporated several tributaries and coves (10/25/2005). The Shellfish TMDL was approved by the EPA on 2/27/2008 and by the SWCB on 4/28/2009. However, only the original impairment was addressed.

In the 2010 cycle, the condemned area included the original 1998 impairment plus an expanded mainstem portion, Woodas Creek, and two tributaries. The 1998 portion is considered Category 4A.

Note: The TMDLs for the four expansions are due in 2020 and were addressed in fact sheets C04E-48-SF through C04E-51-SF. The condemnations shrank in the 2014 cycle and the two tributaries were delisted. The condemnation expanded again during the 2016 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_EST01A98 / East River / Described in the condemnation notice 92, 1/3/1995.	4A Fecal Coliform	1998	L	0.198

MOBPH

East River	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:			
	<b>0.198</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C04E-14-SF

**Put In Creek**

Cause Location: Portion of VDH Notice and Description of Shellfish Condemnation Number 041-005A, 9/29/2015 that was not included in 5B, 6/5/1996.

City / County: Mathews Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

Portion of VDH Shellfish Condemnation 041-005A, 9/29/2015

Put In Creek was included on the 1998 303(d) list due to VDH-DSS condemnation 5A, 6/5/1996. The Shellfish TMDL was approved by the EPA on 2/27/2008 and by the SWCB on 4/28/2009.

However, the condemned area has been reduced and the lowermost portion of the 1998 segment is now open for harvest.

The condemnation expanded slightly in the 2018 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_PUT01A98 / Put In Creek / Portion of VDH-DSS condemnation notice 041-005A, 9/29/2015 not included in 5B, 6/5/1996.	4A	Fecal Coliform	1998	L	0.095

Expanded slightly in the 2018 cycle.

MOBPH

Put In Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.095</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C04E-15-SF

**Davis Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 040-085B, 9/29/2015

City / County: Mathews Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS Shellfish Condemnation 040-085B, 9/29/2015

This cove of Davis Creek was listed as impaired since the 2002 cycle due to condemnation 85, 9/22/1997. The TMDL was approved by the EPA on 1/23/2008 and by the SWCB on 7/31/2008. However, the condemnation was rescinded and the area was only seasonally condemned on the 10/10/2008 condemnation; therefore, the segment was delisted in the 2010 cycle (2B/2C).

During the 2012 cycle, a portion of the impairment was relisted. It is considered Category 4A. The remainder continues to be seasonally condemned.

Note: the segment was previously said to have been first listed in the 1998 cycle, later investigation showed that the segment was not included on the 1998 303(d) list and would have been first listed in the 2002 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_DVS01A98 / Davis Creek / Described in the condemnation notice 040-085B, 9/29/2015.	4A Fecal Coliform	2012	L	0.006

### MOBPH

Davis Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing			
Fecal Coliform - Total Impaired Size by Water Type:	0.006		

### Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C04E-16-SF

**XFA - North River, UT**

Cause Location: VDH Notice and Description of Shellfish Condemnation 042-131A, 6/30/2016

City / County: Gloucester Co. Mathews Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS condemnation 042-131A, 6/30/2016

It is considered nested within the upstream Blackwater Creek Shellfish TMDL, which was addressed in the North River TMDL report and approved by the EPA on 6/7/2006.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_XFA03A14 / XFA - North River, UT / Described in VDH- 4A DSS condemnation 042-131A, 6/30/2016.	Fecal Coliform	2014	L	0.020

MOBPH

XFA - North River, UT

**Shellfishing**

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.020</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C04E-18-SF

**Horn Harbor and Horn Harbor, UT**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnations 039-026A and 039-026E, 3/7/2016

City / County: Mathews Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH condemnation notices 039-026A and -026E, 3/7/2016

Horn Harbor was included on the 1998 303(d) list due to VDH condemnation 26A, 2/25/1997. The TMDL was completed for Horn Harbor during the 2010 cycle and was approved by the EPA on 1/23/2008 and by the SWCB on 7/31/2008. The condemned area has retracted and portions of the study area are open for harvest or seasonally condemned.

Horn Harbor is considered Category 4A/2C as appropriate.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_HAH01A98 / Horn Harbor / Described in VDH condemnation notices 039-026A and -026E, 3/7/2016.	4A	Fecal Coliform	1998	L	0.146

Size increased in the 2018 cycle.

CB6PH

Horn Harbor and Horn Harbor, UT

**Shellfishing**

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.146</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **C04E-19-SF**

**Doctors Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 039-026B, 3/7/2016

City / County: Mathews Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS Shellfish Condemnation 039-026B, 3/7/2016

Doctors Creek was included on the 1998 303(d) list due to VDH condemnation 26B, 2/25/1997. The Shellfish TMDL was approved by the EPA on 1/23/2008 and by the SWCB on 7/31/2008.

During the 2014 cycle, the condemnation shrank and is now smaller than the 1998 condemnation. The opened portion (0.0096 mi<sup>2</sup>) was partially delisted (Category 2C.) The closed area remains Category 4A.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_DOC01B14 / Doctors Creek / Described in VDH-DSS condemnation notice 039-026B, 3/7/2016.	4A	Fecal Coliform	1998	L	0.005

CB6PH

Doctors Creek

**Shellfishing**

Fecal Coliform - Total Impaired Size by Water Type:

Estuary  
(Sq. Miles)  
**0.005**

Reservoir  
(Acres)

River  
(Miles)

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C04E-20-SF

**East River, UT**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 041-212E, 9/30/2016

City / County: Mathews Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS condemnation 041-212E, 9/30/2016

The condemnation is proposed for nesting in the upstream East River Shellfish TMDL, which was approved by the EPA on 2/27/2008 and by the SWCB on 4/28/2009.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_EST08A08 / East River, UT / Described in VDH Shellfish Condemnation 041-212E, 9/30/2016.	4A	Fecal Coliform	2018	L	0.004

MOBPH

East River, UT

**Shellfishing**

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.004</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C04E-21-SF

**XFE - Piankatank River, UT (aka Kibble Pond)**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 036-197B, 2/16/2016

City / County: Mathews Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS condemnation 0136-197B, 2/16/2016

The condemnation is nested in the Edwards Creek Shellfish TMDL, which was developed in the Milford Haven and Gwynn Island Shellfish TMDL report. The report was approved by the EPA on 1/15/2008 and by the SWCB on 7/31/2008.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_XFE01A16 / XFE - Piankatank River, UT (aka Kibble Pond) / Described in VDH-DSS condemnation 036-197B, 2/16/2016.	4A	Fecal Coliform	2016	L	0.016

PIAMH

XFE - Piankatank River, UT (aka Kibble Pond)	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.016</b>		

Sources:

Non-Point Source



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C04E-22-SF

**East River, UT**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 041-212B, 9/30/2016

City / County: Mathews Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS condemnation 041-212B, 9/30/2016

The condemnation is proposed for nesting in the upstream East River Shellfish TMDL, which was approved by the EPA on 2/27/2008 and by the SWCB on 4/28/2009.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_EST04A02 / East River, UT / As described in condemnation notice 041-212B, 9/30/2016.	4A	Fecal Coliform	2018	L	0.026

MOBPH

East River, UT

**Shellfishing**

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.026</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C04E-23-SF

**Put In Creek, UT**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 041-005B, 9/29/2015.

City / County: Mathews Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS condemnation 041-005B, 9/29/2015

Put In Creek was included on the 1998 303(d) list due to VDH-DSS condemnation 5A, 6/5/1996 (C04E-14-SF). The Shellfish TMDL was developed was approved by the EPA on 2/27/2008 and by the SWCB on 4/28/2009. However, the condemned area has been reduced and the lowermost portion of the 1998 segment was delisted (Category 2C).

This cove was relisted in the 2016 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_PUT01D16 / Put In Creek / Described in condemnation notice 041-005B, 9/29/2015.	4A Fecal Coliform	2016	L	0.005

MOBPH

Put In Creek, UT	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.005</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C04E-25-SF

**Winder Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 037-099B, 2/15/2016

City / County: Mathews Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS Shellfish Condemnation 037-099B, 2/16/2016

Winder Creek is nested within the Queens Creek Shellfish TMDL, which was approved by the EPA on 1/15/2008.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_MID01A02 / Winder Creek / As described in the condemnation notice 037-099B, 2/16/2016.	4A	Fecal Coliform	2002	L	0.025

PIAMH

Winder Creek

**Shellfishing**

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.025</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C04E-26-SF

**Tabbs Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 041-212F, 9/30/2016

City / County: Mathews Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS condemnation 041-212F, 9/30/2016

Tabbs Creek is proposed for nesting in the upstream East River Shellfish TMDL, which was approved by the EPA on 2/27/2008 and by the SWCB on 4/28/2009.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_TAB01A08 / Tabbs Creek / Described in VDH Shellfish Condemnation 041-212F, 9/30/2016.	4A	Fecal Coliform	2008	L	0.034

Size reduced in the 2018 cycle.

MOBPH

Tabbs Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.034</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C04E-27-SF

**Winter Harbor, UT**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 038-178B, 3/26/2010

City / County: Mathews Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS condemnation 038-178B, 3/7/2016

The condemnation is proposed for nesting in the nearby Horn Harbor Shellfish TMDL, which was approved by the EPA on 1/23/2008 and by the SWCB on 7/31/2008.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_WIN01A06 / Winter Harbor, UT / Described in the condemnation notice 038-178B, 3/7/2016.	4A	Fecal Coliform	2018	L	0.108

Expanded in the 2018 cycle.

CB6PH

Winter Harbor, UT	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.108</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C04E-28-SF

**Barn Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 036-197C, 2/16/2016

City / County: Mathews Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS Shellfish Condemnation 036-197C, 2/16/2016

Barn Creek is nested within the nearby Edwards Creek Shellfish TMDL, which was addressed in the Gwynn's Island and Milford Haven Watersheds report. The TMDL was approved by the EPA on 1/15/2008.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_BRN01A04 / Barn Creek / Described in VDH-DSS condemnation notice 036-197C, 2/16/2016.	4A	Fecal Coliform	2008	L	0.020

PIAMH

Barn Creek  
**Shellfishing**

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.020</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C04E-29-SF

**Miles Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 041-212D, 9/30/2016

City / County: Mathews Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS condemnation 041-212D, 9/30/2016

Miles Creek is nested in the upstream East River Shellfish TMDL, which was approved by the EPA on 2/27/2008 and by the SWCB on 4/28/2009.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_MIS01A04 / Miles Creek / Described in VDH Condemnation Notice 041-212D, 9/30/2016.	4A	Fecal Coliform	2016	L	0.030

MOBPH

Miles Creek  
**Shellfishing**

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.030</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C04E-30-SF

**Lanes Creek, UT**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 037-099B, 2/16/2016

City / County: Mathews Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH Shellfish Condemnation 036-099C, 2/16/2016

The impairment is nested within the nearby Edwards Creek Shellfish TMDL, which was addressed in the Gwynn's Island and Milford Haven Watersheds report. The TMDL was approved by the EPA on 1/15/2008.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_LAN01B08 / Lanes Creek, UT / Described in VDH Shellfish Condemnation 037-099C, 2/16/2016.	4A	Fecal Coliform	2008	L	0.002

PIAMH

Lanes Creek, UT

**Shellfishing**

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.002</b>		

Sources:

Non-Point Source



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C04E-31-SF

**Winter Harbor**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 038-178A, 3/26/2010

City / County: Mathews Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS condemnation 038-178A, 3/7/2016

The condemnation is proposed for nesting in the nearby Horn Harbor Shellfish TMDL, which was approved by the EPA on 1/23/2008 and by the SWCB on 7/31/2008.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_WIN03B18 / Winter Harbor / Described in VDH-DSS condemnation 038-176A, 3/7/2016.	4A	Fecal Coliform	2018	L	0.422

CB6PH

Winter Harbor

**Shellfishing**

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.422</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C04E-32-SF

**Horn Harbor, UT**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 039-026D, 3/7/2016

City / County: Mathews Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS condemnation 039-026D, 3/7/2016

The impairment is proposed for nesting in the upstream Horn Harbor Shellfish TMDL, which was approved by the EPA on 1/23/2008 and by the SWCB on 7/31/2008.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_HAH02D18 / Horn Harbor, UT / Described in VDH-DSS 4A condemnation 039-026D, 3/7/2016.	4A	Fecal Coliform	2018	L	0.005

CB6PH

Horn Harbor, UT

**Shellfishing**

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.005</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C04E-33-SF

**Borum Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 039-026C, 3/7/2016

City / County: Mathews Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS condemnation 039-026C, 3/7/2016

The impairment is proposed for nesting in the upstream Horn Harbor Shellfish TMDL, which was approved by the EPA on 1/23/2008 and by the SWCB on 7/31/2008.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_BOR01A18 / Borum Creek / Described in VDH-DSS condemnation 039-026C, 3/7/2016.	4A Fecal Coliform	2018	L	0.028

CB6PH

Borum Creek  
**Shellfishing**

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.028</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C04E-42-SF

**Weston Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 041-212A, 9/30/2016

City / County: Mathews Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH Shellfish Condemnation 041-212A, 9/30/2016

The Weston Creek shellfish impairment is nested in the upstream East River Shellfish TMDL, which was approved by the EPA on 2/27/2008 and by the SWCB on 4/28/2009.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_WON01A08 / Weston Creek / Described in VDH Shellfish Condemnation 041-212A, 9/30/2016.	4A	Fecal Coliform	2008	L	0.025

MOBPH

Weston Creek

**Shellfishing**

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.025</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C04E-44-SF

**East River, UT**

Cause Location: VDH Notice and Description of Shellfish Condemnation 041-212C, 9/30/2016

City / County: Mathews Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS Shellfish Condemnation 041-212C, 9/30/2016

The impairment is nested in the upstream East River Shellfish TMDL, which was approved by the EPA on 2/27/2008 and by the SWCB on 4/28/2009.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_EST07A08 / East River, UT / Described in VDH Shellfish Condemnation 041-212C, 9/30/2016.	4A	Fecal Coliform	2014	L	0.014

MOBPH

East River, UT

**Shellfishing**

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.014</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **C04E-47-SF**

**Belleville Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 042-157B, 5/27/2015

City / County: Gloucester Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH Shellfish Condemnation 042-157B, 5/27/2015

Belleville Creek is nested within the nearby Back Creek Shellfish TMDL. The TMDL was developed in the North River TMDL report, which was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_BEV01A08 / Belleville Creek / Described in VDH Shellfish Condemnation 042-157B, 5/27/2015.	4A	Fecal Coliform	2008	L	0.037

MOBPH

Belleville Creek

**Shellfishing**

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.037</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C04E-48-SF

**Woodas Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 041-092B, 9/30/2016

City / County: Mathews Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS Shellfish Condemnation 041-092B, 9/30/2016

A portion of the East River was included on the 1998 303(d) list due to VDH-DSS condemnation 92, 1/3/1995. The condemnation expanded in the 2008 cycle and incorporated several tributaries and coves (10/25/2005). During the 2010 cycle, the DEQ developed the Shellfish TMDL; however, only the original impairment was addressed.

In the 2010 cycle, the condemned area included the original 1998 impairment plus an expanded mainstem area, Woodas Creek, and two (later delisted) tributaries. The 1998 portion is considered Category 4A. The TMDL for the expansions are due in 2020.

Woodas Creek is nested in the upstream East River Shellfish TMDL, which was approved by the EPA on 2/27/2008 and by the SWCB on 4/28/2009.

The Woodas Creek condemnation shrank slightly in the 2018 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_WOO01A10 / Woodas Creek / Described in the condemnation notice 041-092B, 9/30/2016.	4A	Fecal Coliform	2008	L	0.029

Shrank slightly in the 2018 cycle.

MOBPH

Woodas Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.029</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C04E-49-SF

**East River**

Cause Location: Portion of VDH Notice and Description of Shellfish Condemnation 041-092A, 9/30/2016 not included in 92, 1/3/1995 or 041-092D, 10/28/2008

City / County: Mathews Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

Portion of VDH-DSS Shellfish Condemnation 041-092A, 9/30/2016

A portion of the East River was included on the 1998 303(d) list due to VDH-DSS condemnation 92, 1/3/1995. The condemnation has expanded and contracted multiple times; however, only the original impairment was addressed. The 1998 portion is considered Category 4A. The TMDLs for the expansion is due in 2020.

This expansion is nested in the upstream East River Shellfish TMDL, which was approved by the EPA on 2/27/2008 and by the SWCB on 4/28/2009.

The condemnation expanded slightly in the 2016 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_EST01B10 / East River / Portion of condemnation notice 041-092A, 9/30/2016 open in 92, 1/3/1995.	4A	Fecal Coliform	2008	L	0.101

MOBPH

East River	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing			
Fecal Coliform - Total Impaired Size by Water Type:			<b>0.101</b>

Sources:

Non-Point Source



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C04E-53-BAC

**Whites Creek - Festival Beach**

Cause Location: Whites Creek at Festival Beach

City / County: Mathews Co.

Use(s): Recreation

Cause(s) / VA Category: Enterococcus / 5A

During the 2012 cycle, Whites Creek at Festival Beach was mistakenly impaired of the Recreation Use due to 7 short-term swimming advisories during the 2010 swim season. The advisories were limited to 1-3 days in length and therefore are not appropriate for listing.

During the 2016 and 2018 cycles, there were no beach closures of a week or more duration. However, there were two exceedances of the bacteria geometric mean during the 2016 cycle and the beach will remain listed.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_WHI01A08 / Whites Creek / Whites Creek around Festival Beach	5A	Enterococcus	2012	L	0.046

PIAMH

Whites Creek - Festival Beach

**Recreation**

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	<b>0.046</b>		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C04E-54-SF

**Davis Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 040-085A, 9/29/2015

City / County: Mathews Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS condemnation 040-085A, 9/29/2015

The impairment is nested within the neighboring Davis Creek Shellfish TMDL, which was approved by the EPA on 1/23/2008 and by the SWCB on 7/31/2008. It is considered Category 4A.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_DVS03A12 / Davis Creek / Described in VDH-DSS condemnation 040-085A, 9/29/2015	4A	Fecal Coliform	2012	L	0.009

MOBPH

Davis Creek

**Shellfishing**

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.009</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C04E-55-SF

**Raymond Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 042-131B, 6/30/2016

City / County: Gloucester Co. Mathews Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS Shellfish Condemnation 042-131B, 6/30/2016

The Raymond Creek Shellfish Use impairment is nested within the upstream Blackwater Creek Shellfish TMDL, which was addressed in the North River TMDL report and approved by the EPA on 6/7/2006.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_RAY01A12 / Raymond Creek / Described in VDH-DSS condemnation 042-131B, 6/30/2016.	4A	Fecal Coliform	2012	L	0.026

MOBPH

Raymond Creek

**Shellfishing**

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.026</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C04R-01-BAC

**East River**

Cause Location: Nontidal mainstem of the East River.

City / County: Mathews Co.

Use(s): Recreation

Cause(s) / VA Category: Escherichia coli / 4A

During the 2012 cycle, the nontidal East River was impaired of the Recreation Use due to an E. coli exceedance rate of 2/12 at 7-EST008.71, which is located at Rt. 14.

A shellfish bacterial impairment on tidal East River was addressed in the East River TMDL, which was approved by the EPA on 2/27/2008 and by the SWCB on 4/28/2009. Implementation of the TMDL is expected to bring the nontidal Recreation Use impairment into compliance; therefore, the segment is considered nested (Category 4A.)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04R_EST01A12 / East River / Headwaters to tidal limit	4A	Escherichia coli	2012	L	0.59
East River			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>					
Escherichia coli - Total Impaired Size by Water Type:					<b>0.59</b>

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C04R-01-DO

**East River**

Cause Location: Nontidal mainstem of the East River.

City / County: Mathews Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Oxygen, Dissolved / 5C

During the 2012 cycle, the nontidal East River was impaired of the Aquatic Life Use due to a dissolved oxygen exceedance rate of 4/12 at 7-EST008.71, which is located at Rt. 14.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04R_EST01A12 / East River / Headwaters to tidal limit	5C	Oxygen, Dissolved	2012	L	0.59
East River			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>					
Oxygen, Dissolved - Total Impaired Size by Water Type:					<b>0.59</b>

### Sources:

Natural Conditions - Water  
Quality Standards Use  
Attainability Analyses  
Needed

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **C04R-01-PH**

**East River**

Cause Location: Nontidal mainstem of the East River.

City / County: Mathews Co.

Use(s): Aquatic Life

Cause(s) / VA Category: pH / 5C

During the 2012 cycle, the nontidal East River was impaired of the Aquatic Life Use due to a pH exceedance rate of 8/12 at 7-EST008.71, which is located at Rt. 14.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04R_EST01A12 / East River / Headwaters to tidal limit	5C	pH	2012	L	0.59
East River			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>					
pH - Total Impaired Size by Water Type:					<b>0.59</b>

### Sources:

Natural Conditions - Water  
Quality Standards Use  
Attainability Analyses  
Needed

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **C04R-02-BAC**

**Burke Mill Stream**

Cause Location: Burke Mill Stream from extent of tide to mouth at the North River.

City / County: Gloucester Co. Mathews Co.

Use(s): Recreation

Cause(s) / VA Category: Enterococcus / 4A

Burke Mill Stream from Burke Pond to the tidal limit was assessed as impaired of the Recreation Use in 2004 based on fecal coliform exceedances at the Route 3/Route 14 bridge (7-BUR001.19).

During the 2008 cycle, the E. coli exceedance rate was 2/10; therefore, the impairment converted to E. coli. The original TMDL due date of 2016 was maintained.

However, during the 2010 cycle, it was determined that station 7-BUR001.19 is tidally influenced. Since no enterococci data had been collected at the site, the bacterial impairment was carried over. The extent of the impairment was changed from the tidal limit to the mouth.

Enterococci monitoring during the 2012 cycle confirmed the Recreation Use impairment. The exceedance rate was 7/12 at 7-BUR001.19.

As the impairment is within the area addressed in the Shellfish TMDL for the North River, which was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007, the Recreation Use impairment is considered nested (Category 4A).

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_BUR01A00 / Burke Mill Stream / From extent of tide to North River	4A Enterococcus	2012	L	0.025
MOBPH				
Burke Mill Stream		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>				
Enterococcus - Total Impaired Size by Water Type:		<b>0.025</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C05E-01-SF

**Ware River / Fox Mill Run**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 096A and 096B, 8/12/1996

City / County: Gloucester Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

Portion of VDH Shellfish Condemnation 043-096A, 5/27/2015

Fox Mill Run and a portion of the Ware River were included on the 1998 303(d) list due to VDH Shellfish Condemnation 96B and 96A, 8/12/1996. The Ware River condemnation has since expanded to incorporate the Fox Mill Run impairment. However, the DEQ developed the Bacteria TMDL for only the original 1998 portions; the TMDL was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007. The 1998 portions are considered Category 4A waters.

The expanded area of the Ware River is addressed in fact sheet C05E-01-SF2.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C05E_FOX01A08 / Fox Mill Run / Described in the condemnation notice 96B, 8/12/1996.	4A	Fecal Coliform	1998	L	0.085
MOBPH					
VAP-C05E_WAR01A02 / Ware River / Described in the condemnation notice 096A, 8/12/1996.	4A	Fecal Coliform	1998	L	0.257
MOBPH					
Ware River / Fox Mill Run			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing					
Fecal Coliform - Total Impaired Size by Water Type:			<b>0.342</b>		

Sources:

Non-Point Source



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C05E-01-SF2

**Ware River**

Cause Location: Portion of VDH Notice and Description of Shellfish Condemnation 043-096A, 5/27/2015 not included in 096A and 096B, 8/12/1996

City / County: Gloucester Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

Portion of VDH Shellfish Condemnation 043-096A, 5/27/2015

Fox Mill Run and a portion of the Ware River were included on the 1998 303(d) list due to VDH Shellfish Condemnation 96B and 96A, 8/12/1996. The Ware River condemnation has since expanded to incorporate the Fox Mill Run impairment. However, the DEQ developed the Bacteria TMDL for only the original 1998 portions. The TMDL for the expanded portion of the Ware River was due in 2014 since it first expanded in the 2002 list.

The expansion is nested within the upstream Ware River Shellfish TMDL, which was approved by the EPA on 6/7/2006.

The condemnation shrank slightly in the 2018 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C05E_WAR01B08 / Ware River / Portion of VDH condemnation notice 043-096A, 5/27/2015 not included in condemnation 96A and 96B, 8/12/1996.	4A	Fecal Coliform	2002	L	0.262

Shortened in the 2018 cycle.

MOBPH

Ware River	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.262</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C05E-02-SF

**Wilson Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 106, 8/12/1996

City / County: Gloucester Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

Portion of VDH Shellfish Condemnation 043-096B, 5/27/2015

A portion of Wilson Creek was included on the 1998 303(d) list due to VDH Shellfish Condemnation 106, 8/12/1996. The condemnation has since expanded and contracted. However, the DEQ developed the Bacteria TMDL for only the original 1998 portion; the TMDL was approved by the EPA on 6/7/2006.

In the 2014 cycle, the condemnations expanded and merged again. The expansion is addressed in fact sheet C05E-02-SF2.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C05E_WIL01A98 / Wilson Creek / Described in the condemnation notice 106, 8/12/1996.	4A	Fecal Coliform	1998	L	0.033

MOBPH

Wilson Creek

**Shellfishing**

Fecal Coliform - Total Impaired Size by Water Type:

Estuary  
(Sq. Miles)

Reservoir  
(Acres)

River  
(Miles)

**0.033**

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C05E-02-SF2

**Wilson Creek**

Cause Location: Portion of VDH Notice and Description of Shellfish Condemnation 043-096B, 5/27/2015 not included in 106, 8/12/1996

City / County: Gloucester Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

Portion of VDH Shellfish Condemnation 043-096B, 5/27/2015

A portion of Wilson Creek was included on the 1998 303(d) list due to VDH Shellfish Condemnation 106, 8/12/1996. The condemnation has since expanded and contracted.

The impairment is nested in the upstream Wilson Creek TMDL, which was developed in the Ware River report. The TMDL was approved by the EPA on 6/7/2006.

The condemnation expanded again during the 2016 and 2018 cycles.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C05E_WIL01B08 / Wilson Creek / Portion of VDH condemnation notice 043-096B, 5/27/2015 not included in condemnation notice 106, 8/12/1996.	4A	Fecal Coliform	2002	L	0.241

Expanded in the 2018 cycle.

MOBPH

Wilson Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.241</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C05E-03-BAC

**Ware River**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 096A, 8/12/1996

City / County: Gloucester Co.

Use(s): Recreation

Cause(s) / VA Category: Enterococcus / 4A

During the 2018 cycle, the upper tidal Ware River was impaired of the Recreation Use due to an enterococci exceedance rate of 5/8 at 7-BEA000.40. The station is located near the tidal limit on Beaverdam Swamp at Rt. 14.

The impairment is proposed for nesting in the Ware River Watershed Shellfish TMDL, which was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007. It will be considered a Category 4A water.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C05E_WAR01A02 / Ware River / Described in the condemnation notice 096A, 8/12/1996.	4A Enterococcus	2018	L	0.257

MOBPH

Ware River	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>			
Enterococcus - Total Impaired Size by Water Type:		<b>0.257</b>	

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C05E-04-SF

**Ware River, UT**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 043-096C, 5/27/2015

City / County: Gloucester Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS Condemnation 043-096C, 5/27/2015

The impairment is proposed for nesting in the Ware River Watershed Shellfish TMDL, which was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007. It will be considered a Category 4A water.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C05E_WAR02B18 / Ware River / Described in VDH-DSS condemnation 043-096C, 5/27/2015.	4A	Fecal Coliform	2018	L	0.010

MOBPH

Ware River, UT

**Shellfishing**

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.010</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C05R-01-BAC

**Fox Mill Run**

Cause Location: From its headwaters to the limit of tide.

City / County: Gloucester Co.

Use(s): Recreation

Cause(s) / VA Category: Escherichia coli / 4A

In 2002, the segment was assessed not supporting of the Recreation Use because of a fecal coliform exceedance rate of 5/18 at the Route 17 bridge (7-FOX002.49).

Additional monitoring has been conducted. The bacterial impairment converted to E. coli in the 2010 cycle; however, the original TMDL due date was maintained. During the 2012 cycle, the segment remained impaired:

2/23 (FS) at 7-FOX002.49

3/12 at 7-FOX003.22

2/12 at 7-FOX004.68

3/12 at 7-FOX006.56

The impairment is considered nested (Category 4A) because it is located within the watershed study area for the Ware River Shellfish TMDL, which was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C05R_FOX01A00 / Fox Mill Run / From its headwaters to the extent of tide.	4A Escherichia coli	2010	L	6.96
Fox Mill Run		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Recreation	Escherichia coli - Total Impaired Size by Water Type:			<b>6.96</b>

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C05R-04-BAC

**XEG - Fox Mill Run, UT**

Cause Location: Unnamed tributary to Fox Mill Run, in its entirety.

City / County: Gloucester Co.

Use(s): Recreation

Cause(s) / VA Category: Escherichia coli / 4A

During the 2012 cycle, the tributary was assessed as not supporting of the Recreation Use due to an E. coli exceedance rate of 2/12 at 7-XEG000.27, which is located at a private drive off of Route 615.

The impairment is considered nested (Category 4A) because it is located within the watershed study area for the Ware River Shellfish TMDL, which was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C05R_XEG01A10 / Fox Mill Run, UT / Headwaters to mouth at 4A Fox Mill Run	Escherichia coli	2012	L	1.71
XEG - Fox Mill Run, UT		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>	Escherichia coli - Total Impaired Size by Water Type:			<b>1.71</b>

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C06E-01-BAC

**Northwest Branch Severn River**

Cause Location: From the limit of tide to the mouth at the Severn River.

City / County: Gloucester Co.

Use(s): Recreation

Cause(s) / VA Category: Enterococcus / 4A

The nontidal portion of the Northwest Branch of the Severn River was initially assessed as not supporting of the Recreation Use goal because of fecal coliform exceedances at 7-SEN004.04 (fact sheet C06R-01-BAC). The TMDL was due in 2014.

During the 2008 cycle, the E. coli violation rate was 7/11; therefore, the impairment was converted. The original TMDL due date was maintained.

During the 2010 cycle, it was determined that the station is tidally influenced during most circumstances. The impairment was adjusted to extend from the tidal limit to the downstream extent of the shellfish condemnation.

The impairment is nested within the study area for the Severn River Watershed TMDL Report for Shellfish Condemnation Areas Listed Due to Bacteria Contamination, which was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007. The watershed requires a 98% reduction in bacterial loadings in order to meet the downstream TMDL; therefore, an additional TMDL is not necessary.

The impairment was extended to the mouth during the 2016 cycle due to additional monitoring at 7-SEN001.32, which is located at Brays Point. The exceedance rate was 3/12.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C06E_SEN01A02 / Northwest Branch Severn River / Described in condemnation notice 044-093B, 6/9/2016, excluding tributary XEE.	4A	Enterococcus	2010	L	0.092
MOBPH					
VAP-C06E_SEN01C10 / Northwest Branch Severn River / Portion of condemnation notice 93A, 4/1/1997 open on 044-093, 6/9/2016.	4A	Enterococcus	2016	L	0.202
MOBPH					
VAP-C06E_SEN02A06 / Northwest Branch Severn River / Mainstem and tribs not otherwise segmented	4A	Enterococcus	2016	L	0.441
MOBPH					
Northwest Branch Severn River			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Recreation					
Enterococcus - Total Impaired Size by Water Type:			0.735		

Sources:

Non-Point Source



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C06E-01-SF

**Northwest Branch Severn River**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 044-093B, 6/9/2016

City / County: Gloucester Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS condemnation 044-093B, 6/9/2016

The upper portion of the Northwest Branch Severn River and a portion of Vaughans Creek were included on the 1998 303(d) list due to VDH Shellfish Condemnations 93A and 93B, 4/1/1997, respectively.

The Bacteria TMDL for the Shellfish Impairments in the Severn River Watershed was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007).

During the 2014 cycle, both creeks were completely reopened for harvest (044-093, 2/22/2012); therefore, the streams were delisted (Category 2C).

The segment was relisted in the 2016 cycle (Category 4A).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C06E_SEN01A02 / Northwest Branch Severn River / Described in condemnation notice 044-093B, 6/9/2016, excluding tributary XEE.	4A	Fecal Coliform	2016	L	0.092
MOBPH					
VAP-C06E_XEE01A10 / Northwest Branch Severn River, UT / Tidal limit to mouth at NW Branch Severn River	4A	Fecal Coliform	2016	L	0.003
MOBPH					
Northwest Branch Severn River			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing					
Fecal Coliform - Total Impaired Size by Water Type:			0.094		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C06E-02-SF

**Northwest Branch Severn River, UT**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 044-093D, 6/9/2016

City / County: Gloucester Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS condemnation 044-093D, 6/9/2016

The upper portion of the Northwest Branch Severn River and a portion of Vaughans Creek were included on the 1998 303(d) list due to VDH Shellfish Condemnations 93A and 93B, 4/1/1997, respectively.

The Bacteria TMDL for the Shellfish Impairments in the Severn River Watershed was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007). During the 2014 cycle, both creeks were completely reopened for harvest (044-093, 2/22/2012); therefore, the streams were delisted (Category 2C).

The segment was relisted in the 2016 cycle (Category 4A).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C06E_SEN01B16 / Northwest Branch Severn River, UT / Described in VDH-DSS condemnation notice 044-093D, 6/9/2016.	4A	Fecal Coliform	2016	L	0.034

MOBPH

Northwest Branch Severn River, UT

**Shellfishing**

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.034</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C06E-03-SF

**Vaughans Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 044-093C, 6/9/2016

City / County: Gloucester Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS condemnation 044-093C, 6/9/2016

The upper portion of the Northwest Branch Severn River and a portion of Vaughans Creek were included on the 1998 303(d) list due to VDH Shellfish Condemnations 93A and 93B, 4/1/1997, respectively.

The Bacteria TMDL for the Shellfish Impairments in the Severn River Watershed was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007).

During the 2014 cycle, both creeks were completely reopened for harvest (044-093, 2/22/2012); therefore, the streams were delisted (Category 2C).

The segment was relisted in the 2016 cycle (Category 4A). It shrank slightly in the 2018 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C06E_VGH01A98 / Vaughans Creek / Described in the condemnation notice 044-093C, 6/9/2016.	4A Fecal Coliform	2016	L	0.061

Shrank in the 2018 cycle.

MOBPH

Vaughans Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.061</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C06E-04-SF

**Heywood Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 044-054B, 4/2/2014

City / County: Gloucester Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH DSS Shellfish Condemnation 044-054B, 4/2/2014

Heywood Creek was listed on the 1998 303(d) list due to VDH Shellfish Condemnation 101, 4/1/1997. The TMDL for this area was approved by the EPA on 6/7/2006.

The condemned area is currently smaller than the 1998 impairment; the open area within the completed TMDL is Category 2C.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C06E_HEY01A98 / Heywood Creek / Described in the condemnation notice 044-054B, 4/2/2014.	4A	Fecal Coliform	1998	L	0.081

MOBPH

Heywood Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.081</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C06E-05-SF

**Thorntons Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 044-054A, 4/2/2014

City / County: Gloucester Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH DSS Shellfish Condemnation 044-054A, 4/2/2014

Thorntons Creek was listed on the 1998 303(d) list due to VDH Shellfish Condemnation 54, 4/1/1997. The TMDL for this area was approved by the EPA on 6/7/2006. The 1998 portion of Thorntons Creek was considered a Category 4A water. The condemned area is now smaller than the 1998 impairment. The open area within the completed TMDL was partially delisted (Category 2C).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C06E_THC01A98 / Thorntons Creek / Described in the condemnation notice 044-054A, 4/2/2014.	4A	Fecal Coliform	1998	L	0.052

MOBPH

Thorntons Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.052</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C06E-07-SF

**Monday Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 045-125A, 12/9/2015

City / County: Gloucester Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH-DSS Condemnation 045-125A, 12/9/2015

A portion of Monday Creek was included on the 1998 303(d) list due to VDH Shellfish Condemnation 25A, 12/31/1996 (C06E-02-SF). The TMDL for the area was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007. However, the condemnation was fully rescinded during the 2010 cycle (045-125, 12/11/2008) and the entire area was delisted (Category 2C).

An upstream portion was relisted in the 2018 cycle (Cat 4A).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C06E_MNC01B18 / Monday Creek / Described in VDH-DSS condemnation notice 045-125A, 12/9/2015.	4A	Fecal Coliform	2018	L	0.053

MOBPH

Monday Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.053</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C06E-08-SF

**Free School Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 044-093A, 6/9/2016

City / County: Gloucester Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

VDH Shellfish Condemnation 044-093A, 6/9/2016

Free School Creek was addressed in the Severn River Watershed Bacteria TMDL for Shellfish Impairments. The TMDL was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007.

The condemnation is currently smaller than the TMDL extent. The closed portion is considered a Category 4A water. The open portion is Category 2C.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C06E_FSC01A98 / Free School Creek / Described in VDH Shellfish Condemnation 044-093A, 6/9/2016.	4A	Fecal Coliform	2008	L	0.039

Shrank in the 2018 cycle.

MOBPH

Free School Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.039</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C06R-01-BAC

**Northwest Branch of Severn River**

Cause Location: From its headwaters to the limit of tide.

City / County: Gloucester Co.

Use(s): Recreation

Cause(s) / VA Category: Escherichia coli / 4A

The nontidal portion of the Northwest Branch of the Severn River was initially assessed as not supporting of the Recreation Use goal because of fecal coliform exceedances at 7-SEN004.04, located near a private road off of Rt. 614. The TMDL was due in 2014.

During the 2008 cycle, the E. coli exceedance rate was 7/11; therefore, the impairment was converted. The original TMDL due date was maintained.

During the 2010 cycle, it was determined that station 7-SEN004.04 is actually tidally influenced during most circumstances. The segment was shortened to correct the tidal limit and additional data was collected at station 7-SEN004.78. The exceedance rate was 3/10 during the 2012 cycle.

The impairment is nested within the study area for the Severn River Watershed TMDL Report for Shellfish Condemnation Areas Listed Due to Bacteria Contamination, which was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007. The watershed requires a 98% reduction in bacterial loadings in order to meet the downstream TMDL.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C06R_SEN01A00 / Northwest Branch Severn River / From its headwaters to the extent of tide.	4A	Escherichia coli	2008	L	2.16
Northwest Branch of Severn River			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>		Escherichia coli - Total Impaired Size by Water Type:			<b>2.16</b>

Sources:

Non-Point Source



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C06R-02-BAC

**Northwest Branch of Severn River, UT**

Cause Location: The tidal portion of the tributary.

City / County: Gloucester Co.

Use(s): Recreation

Cause(s) / VA Category: Enterococcus / 4A

During the 2010 cycle, the tributary was assessed as not supporting of the Recreation Use due to an E. coli violation rate of 2/6 at 7-XEE000.58, which is located at the Route 614 bridge.

During the 2012 cycle, it was determined that the station is tidally influenced. The station was impaired for the Recreation Use due to an enterococci exceedance rate of 5/11. The impairment was converted to enterococci and the segment extent was corrected.

The impairment is nested within the study area for the Severn River Watershed TMDL Report for Shellfish Condemnation Areas Listed Due to Bacteria Contamination, which was approved by the EPA on 6/7/2006 and the SWCB on 3/23/2007. The watershed requires a 98% reduction in bacterial loadings in order to meet the downstream TMDL; therefore, an additional TMDL is not necessary.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C06E_XEE01A10 / Northwest Branch Severn River, UT / Tidal 4A limit to mouth at NW Branch Severn River	Enterococcus	2012	L	0.003
MOBPH				
Northwest Branch of Severn River, UT		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>	Enterococcus - Total Impaired Size by Water Type:	<b>0.003</b>		

Sources:

Non-Point Source

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C07E-01-BAC

**Brick Kiln Creek**

**Cause Location:** This cause encompasses from 0.3 mi. downstream of Big Bethel Res. dam (approx. RM 5.0, end of tidal waters north of Ebenezer Church) downstream to confluence with Northwest Branch Back River. CBP Segment MOBPH.

**City / County:** Hampton City                      York Co.

**Use(s):** Recreation

**Cause(s) / VA Category:** Enterococcus / 4A

The Recreation Use is not supporting due to Enterococcus concentrations exceeding the swimming indicator criteria (12 viol/17 obs). Recreation impairments included in TMDL (31233) EPA approved 4/24/2014 under TMDL ID = VAT-C07E-01 modified 2/9/2018.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_BRK01A06 / Brick Kiln Creek / From 0.3 mi. downstream of Big Bethel Res. dam (approx. RM 5.0, end of tidal waters north of Ebenezer Church ) downstream to confluence with Northwest Br. Back R. CBP Segment MOBPH. Portion of DSS shellfish condemnation # 054-021 A (effective 20151102).	4A	Enterococcus	2004	L	0.086

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Brick Kiln Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>			
Enterococcus - Total Impaired Size by Water Type:	<b>0.086</b>		

**Sources:**

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C07E-01-PCB

**Chesapeake Bay & Tidal Tributaries VDH Fish Consumption Advisory for PCBs**

Cause Location: This cause encompasses the Chesapeake Bay & Tidal Tributaries within the lower bay.

City / County: Hampton City                      Poquoson City.                      York Co.

Use(s): Fish Consumption

Cause(s) / VA Category: PCB in Fish Tissue / 5A

The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs fish tissue contamination within the Chesapeake Bay issued 12/13/04. Previous Use ID (2006 IR) as TMDL ID: VDH-Bay PCBs.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_BAK01A00 / Mainstem Back River / From junction of Northwest and Southwest Branches downstream to mouth of Back River. Portion of CBP Segment MOBPH. DSS Condemnation 054-215 OPEN (20161031) and 054-021 (20151102) shellfish condemnations.	5A	PCB in Fish Tissue	2006	L	3.340
VAT-C07E_BAK01B08 / Mainstem Back River-South Shore at Mouth Wallace Cr. / Portion of mainstem along south shore between Windmill Pt. and Grunland Pt. CBP Segment MOBPH. DSS shellfish condemnation # 054-215 M1 (Seasonal)(effective 20161031).	5A	PCB in Fish Tissue	2006	L	0.091
VAT-C07E_BAK02A14 / Back Creek - Inlet near Dandy Point [TMDL] / Tributary to south shore Back River (incl area in Back R), east of Harris R & adjacent to Inlet #2. CBP segment MOBPH. Portion of DSS shellfish condemnation # 054-215 B, 20161031.	5A	PCB in Fish Tissue	2006	L	0.034
VAT-C07E_BCB01A06 / Buckroe Beaches / From northeast of Buckroe Beach southwest to parallel with start of Mill Cr. Portion of CBP Segment CB8PH. No DSS shellfish condemnations.	5A	PCB in Fish Tissue	2006	L	0.224
VAT-C07E_BCK01A00 / Back Creek - Upper / Back Creek (S of York R mouth) tributary to the Thorofare and Chesapeake Bay. From end of tidal waters downstream to point upstream of Dandy (RM 1.6). CBP Segment MOBPH. DSS shellfish condemnation # 053-151 A & M1 (effective 20150218).	5A	PCB in Fish Tissue	2006	L	0.222
VAT-C07E_BCK02A06 / Back Creek - Middle (DSS-marina area) / Back Creek (S of York R mouth) is a tributary to The Thorofare and Chesapeake Bay. CBP Segment MOBPH. Area within DSS shellfish condemnation # 053-151 M1, around marina area (effective 20150218).	5A	PCB in Fish Tissue	2006	L	0.138
VAT-C07E_BCK03A06 / Back Creek - Lower / Back Creek (S of York R mouth) is a tributary to The Thorofare and Chesapeake Bay. CBP Segment MOBPH. From upstream of Dandy (RM 1.6) downstream to mouth (RM 0.0). DSS (OPEN) shellfish condemnation # 053-151 (effective 20150218).	5A	PCB in Fish Tissue	2006	L	0.405
VAT-C07E_BEN01A06 / Bennett Creek - Upper (DSS_06-IR) / Bennett Creek upstream portion (S of Poquoson R mouth) tributary to Poquoson River. From end of tidal waters downstream 0.1 mi. CBP Segment MOBPH. Portion of DSS shellfish condemnation # 053-222 E (effective 20160511).	5A	PCB in Fish Tissue	2006	L	0.039
VAT-C07E_BEN02A08 / Bennet Creek - Lower Middle / South shore tributary to Poquoson R, in area of Griffins Beach. East of Roberts Cr. and north of White House Cove. CBP Segment MOBPH. DSS (OPEN) Shellfish condemnation # 053-222 and M1 seasonal	5A	PCB in Fish Tissue	2006	L	0.209

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

(effective 20160511).

VAT-C07E_BEN03A16 / Bennett Creek-Mouth / Mouth of Bennett Creek. CBP Segment MOBPH. No DSS direct shellfish harvesting condemnation.	1A	PCB in Fish Tissue	2006	L	0.366
VAT-C07E_BRK01A06 / Brick Kiln Creek / From 0.3 mi. downstream of Big Bethel Res. dam (approx. RM 5.0, end of tidal waters north of Ebenezer Church ) downstream to confluence with Northwest Br. Back R. CBP Segment MOBPH. Portion of DSS shellfish condemnation # 054-021 A (effective 20151102).	5A	PCB in Fish Tissue	2006	L	0.086
VAT-C07E_BTC01A08 / Bay Tree Creek / Trib to Bay, S of The Thorofare & N of mouth of Poquoson R. @ Bay Tree Point. CBP Segment MOBPH. DSS Shellfish condemnation # 053-221 C(effective 20160511).	5A	PCB in Fish Tissue	2006	L	0.076
VAT-C07E_BTC02A18 / Bay Tree Creek- Mouth / Trib to Bay, S of The Thorofare & N of mouth of Poquoson R. @ Bay Tree Point. CBP Segment MOBPH. DSS (OPEN) Shellfish condemnation # 053-221 (effective 20160511).	5A	PCB in Fish Tissue	2006	L	0.050
VAT-C07E_BTH01A08 / Boathouse Creek / Boathouse Creek (N of Poquoson R mouth) tributary to Chisman Creek. CBP Segment MOBPH. DSS condemnation # 053-221 (effective 20160511).	5A	PCB in Fish Tissue	2006	L	0.078
VAT-C07E_CAB01A08 / Cabin Creek / Cabin Creek (N of Poquoson R mouth) tributary to Chisman Creek. CBP Segment MOBPH. DSS shellfish condemnation # 053-221 (effective 20160511).	5A	PCB in Fish Tissue	2006	L	0.082
VAT-C07E_CCR01A06 / Cedar & Topping Creeks / Located near City of Poquoson. Cedar & Topping Creeks are tribs to the north shore of the Northwest Branch of Back River. Portion of DSS condemnation # 054-021 A (less NW Br Back R./Brick Kiln Cr. portion) effective 20151102. CBP Segment MOBPH.	5A	PCB in Fish Tissue	2006	L	0.109
VAT-C07E_CHS01A06 / Chisman Creek-Upper / From end of tidal waters (upper 1/3 of creek), downstream to area of Evergreen Shores (approx. RM 0.9). CBP Segment MOBPH. DSS condemnation # 053-221A & seasonal M2 (effective 20160511).	5A	PCB in Fish Tissue	2006	L	0.306
VAT-C07E_CHS02A06 / Chisman Creek - Lower / Lower 2/3 of creek, downstream from area of Evergreen Shores (RM 0.9) to mouth. CBP Segment MOBPH. DSS (OPEN) condemnation # 053-221 & M1(effective 20160511).	5A	PCB in Fish Tissue	2006	L	0.631
VAT-C07E_EAS01A06 / Easton Cove / Located in southeast corner of Bennett Cr, trib to Poquoson River. Area of York Haven Anchorage. DSS (OPEN) shellfish condemnation # 053-222 (effective 20160511). CBP Segment MOBPH.	5A	PCB in Fish Tissue	2006	L	0.057
VAT-C07E_FLY01A06 / Floyds Bay- Upper / Upper Portion of Floyds Bay. Located in southeast corner of Bennett Cr, trib to Poquoson River. Area of York Haven Anchorage. Portion of DSS shellfish condemnation # 053-222 D (effective 20160511). CBP Segment MOBPH.	5A	PCB in Fish Tissue	2006	L	0.042
VAT-C07E_FLY02A16 / Floyds Bay- mouth / Located in southeast corner of Bennett Cr, trib to Poquoson River. Area of York Haven Anchorage. Portion of DSS shellfish condemnation # 053-222 (effective 20160511). CBP Segment MOBPH.	5A	PCB in Fish Tissue	2006	L	0.010
VAT-C07E_FRT01A06 / Front Cove - Upper / North shore trib. to mainstem Back R. Adjacent to Messick Point. DSS shellfish condemnation # 054-021 D (effective 20151102). CBP Segment MOBPH.	5A	PCB in Fish Tissue	2006	L	0.042

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

VAT-C07E_FRT02A08 / Front Cove - Lower / North shore trib. to mainstem Back R. Adjacent to Messick Point. DSS shellfish Seasonal condemnation # 054-021 M1 (effective 20151102). CBP Segment MOBPH.	1A	PCB in Fish Tissue	2006	L	0.036
VAT-C07E_GLD01A10 / Grunland Creek - Mouth / South shore trib. to mainstem Back R. Adjacent to Grandview area. CBP Segment MOBPH. DSS shellfish harvesting condemnation # 054-215 (effective 20161031).	5A	PCB in Fish Tissue	2006	L	0.038
VAT-C07E_GLD02A18 / Grunland Creek - Back River / South shore trib. to mainstem Back R. Adjacent to Grunland Point. CBP Segment MOBPH. DSS shellfish harvesting condemnation # 054-215 C (effective 20161031).	5A	PCB in Fish Tissue	2006	L	0.064
VAT-C07E_GOO01A14 / Goose Creek- Upper / From end of tidal waters to approx. River mile 0.27. DSS Shellfish condemnation # 053-221 B (effective 20160511).	5A	PCB in Fish Tissue	2006	L	0.065
VAT-C07E_GOO02A14 / Goose Creek- Lower / From Rivermile 0.27 to mouth. CBP Segment MOBPH. DSS OPEN condemnation # 053-221 (effective 20160511).	5A	PCB in Fish Tissue	2006	L	0.036
VAT-C07E_GRV01A06 / Grandview Pier & Saltponds Beaches / From Grandview beach southwest to northeast of Buckroe Beach. Offshore of Buckroe Beach VDH monitoring. area Portion of CBP Segment CB8PH. No DSS shellfish condemnation present.	5A	PCB in Fish Tissue	2006	L	0.241
VAT-C07E_GRV02A10 / Grandview Pier & Saltponds Beaches [No TMDL] / From southernmost point of Grandview Beach southwest to northeast of Buckroe Beach. Shoreward of GRV01A06. Portion of CBP Segment CB8PH. DSS ADMIN shellfish condemnation # 055-216 A (effective 20080530).	5A	PCB in Fish Tissue	2006	L	0.119
VAT-C07E_HAR01A06 / Harris River - Upper / South shore trib. to mainstem Back R. Adjacent to Fox Hill area. DSS shellfish condemnation # 054-215 A (effective 20161031). CBP Segment MOBPH.	5A	PCB in Fish Tissue	2006	L	0.198
VAT-C07E_HAR02A10 / Harris River - Mouth / South shore trib. to mainstem Back R. East shore area at mouth. Adjacent to Fox Hill area. CBP Segment MOBPH. DSS (OPEN) shellfish area # 054-215 (effective 20161031).	5A	PCB in Fish Tissue	2006	L	0.160
VAT-C07E_HAR02B10 / Harris River - Lower Marina Area / South shore trib. to mainstem Back R. Adjacent to Fox Hill area. CBP Segment MOBPH. DSS (Seasonal) shellfish condemnation # 054-215 M2 (effective 20161031).	5A	PCB in Fish Tissue	2006	L	0.053
VAT-C07E_HOD01A08 / Hodges Creek - Upper / North shore trib to Poquoson R. @ Fish Neck. CBP Segment MOBPH. Portion of DSS shellfish condemnation # 053-137 (effective 20150218).	5A	PCB in Fish Tissue	2006	L	0.057
VAT-C07E_IN101A08 / DSS Inlet #1 - Unnamed Inlet at Mouth of SW Branch / South shore trib. to mainstem Back R. Located east of mouth of SW Branch. CBP Segment MOBPH. DSS shellfish harvesting condemnation # 054-021 C (effective 20151102).	5A	PCB in Fish Tissue	2006	L	0.025
VAT-C07E_INB01A04 / DSS Inlet #2 - Unnamed Inlet S. Shore of SW Br. Back River / South shore trib. to Southwest Branch Back R. Located near mouth of SW Branch, west of unnamed DSS Inlet #1. DSS OPEN condemnation # 054-021 (effective 201511021). CBP Segment MOBPH.	5A	PCB in Fish Tissue	2006	L	0.008
VAT-C07E_LMC01A04 / Lambs Creek - Poquoson River / South shore tributary to Poquoson R, west of Poquoson Shores. On border	5A	PCB in Fish Tissue	2006	L	0.135

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

of Poquoson/York boundary. Between Moores Cr. and Roberts Cr to east. CBP Segment MOBPH. DSS Shellfish condemnation # 053-137 C (effective 20150218).

VAT-C07E_LMC02A16 / Lambs Creek - Mouth / Mouth of Lambs Creek located on South shore tributary to Poquoson R, west of Poquoson Shores. CBP Segment MOBPH. DSS Shellfish condemnation # 053-137 (effective 20150218).	5A	PCB in Fish Tissue	2006	L	0.028
VAT-C07E_LON01A06 / Long Creek - Back River / South shore trib. to mainstem Back R. Adjacent to Grandview natural Preserve area. CBP Segment MOBPH. DSS shellfish harvesting condemnation # 054-215 C (effective 20161031).	5A	PCB in Fish Tissue	2006	L	0.043
VAT-C07E_LON01B12 / Long & Grunland Creeks - Back River / South shore trib. to mainstem Back R. Adjacent to Grandview area. CBP Segment MOBPH. DSS shellfish ADMIN harvesting condemnation # 054-215 C (effective 20161031).	5A	PCB in Fish Tissue	2006	L	0.055
VAT-C07E_LON02A10 / Long & Grunland Creeks - DSS Admin Area / South shore trib. to mainstem Back R. Portion adjacent to Grandview area. CBP Segment CB8PH. DSS shellfish harvesting condemnation # 055-216 A ADMIN. Cond. (effective 20080530).	5A	PCB in Fish Tissue	2006	L	0.085
VAT-C07E_LYO01A06 / Lyons Creek - Upper & Middle / South shore tributary to Poquoson R, in area of York Haven Anchorage. East of Roberts Cr. and north of White House Cove. CBP Segment MOBPH. Portion of DSS Shellfish condemnation # 053-222 B (effective 20160511).	5A	PCB in Fish Tissue	2006	L	0.070
VAT-C07E_LYO02A06 / Lyons Creek - Lower / South shore tributary to Poquoson R, in area of York Haven Anchorage. East of Roberts Cr. and north of White House Cove. Lower portion of Lyons Cr. CBP Segment MOBPH. Portion of DSS Shellfish condemnation # 053-222 (effective 20160218).	5A	PCB in Fish Tissue	2006	L	0.050
VAT-C07E_NEW01A02 / Newmarket Creek - Upper / South of Blue Bird Gap Farm area. From end of tidal waters at Terrant ES (approx. RM 5.1) downstream to I-64 crossing (RM 3.68). CBP Segment MOBPH. Portion of DSS shellfish condemnation # 054-021 B (effective 20151102).	5A	PCB in Fish Tissue	2006	L	0.073
VAT-C07E_NEW02A02 / Newmarket Creek - Lower / South of Blue Bird Gap Farm area. From the I-64 crossing (RM 3.68) downstream to confluence with SW Br. Back R. CBP Segment MOBPH. Portion of DSS shellfish condemnation # 054-021 B (effective 20151102).	5A	PCB in Fish Tissue	2006	L	0.079
VAT-C07E_NWB01A06 / Northwest Br. Back River - Upper [TMDL-CD] / CBP Segment MOBPH. Headwaters to confluence of Cedar Creek between Cedar Point and Marsh Point. Portion of DSS shellfish condemnation # 054-021 A (less Cedar/Topping & Brick Kiln Creeks, effective 20151102).	5A	PCB in Fish Tissue	2006	L	0.220
VAT-C07E_NWB01B08 / Northwest Br. Back River - Upper [TMDL not CD] / Northwest Br. Back River upper portion from confluence of Cedar Creek downstream to confluence Tabbs Cr. Portion DSS shellfish condemnation # 054-021 A (less Cedar/Topping & Brick Kiln Creeks, effective 20151102). CBP Segment MOBPH.	5A	PCB in Fish Tissue	2006	L	0.248
VAT-C07E_NWB02A06 / Northwest Br. Back River - Lower [DSS OPEN] / From area of confluence of Topping Creek (approx. RM 1.5) downstream to confluence with mainstem Back R. CBP Segment MOBPH. Portion of DSS (OPEN) shellfish condemnation # 054-021 (effective 20151102).	5A	PCB in Fish Tissue	2006	L	0.961
VAT-C07E_POQ01A06 / Poquoson River - Upper [TMDL-CD] /	5A	PCB in Fish Tissue	2006	L	0.518

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

From Rt 17 crossing @ reservoir dam (RM 5.7) downstream to past confluence of Quarter March Cr (RM 2.7) @ Calthrop Neck. Including Moores & Quarter March Creeks. CBP Segment MOBPH. DSS shellfish condemn # 053-137 A (effective 20150218).

VAT-C07E_POQ02A06 / Poquoson River - Lower [DSS-OPEN] / From Calthrop Neck downstream to mouth of Hodges Cove. CBP Segment MOBPH. DSS (OPEN) shellfish harvesting condemnation # 053-137 (effective 20150218).	5A	PCB in Fish Tissue	2006	L	0.824
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VAT-C07E_POQ03A08 / Poquoson River - Mouth / From Hunts Point a wedge NW across Poquoson River mouth to northern shore. CBP Segment MOBPH. DSS (OPEN) shellfish harvesting condemnation # 053-137 (effective 20150218).	5A	PCB in Fish Tissue	2006	L	1.492
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VAT-C07E_PTC01A04 / Patricks Creek - Poquoson River / North shore trib to Poquoson River south of Dare area. CBP Segment MOBPH. DSS Shellfish condemnation # 053-137 B (effective 20150218).	5A	PCB in Fish Tissue	2006	L	0.119
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VAT-C07E_ROB01A04 / Roberts Creek - Upper / South of mouth of Poquoson River between Hunts Pt. and Griffins Beach areas. CBP Segment MOBPH. DSS ADMIN Shellfish condemnation # 053-222 A (effective 20150218).	5A	PCB in Fish Tissue	2006	L	0.104
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VAT-C07E_ROB02A08 / Roberts Creek - Lower [DSS-OPEN] / South of mouth of Poquoson River between Hunts Pt. and Griffins Beach areas. CBP Segment MOBPH. DSS OPEN Shellfish condemnation # 053-222 (effective 20150218).	5A	PCB in Fish Tissue	2006	L	0.009
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VAT-C07E_SWB01A08 / SW Br Back River - Incl Tides Mill Cr [TMDL area] / Headwaters of Southwest Branch (incl tidal Tides Mill Cr) downstream to Langley View. CBP segment MOBPH. Portion of DSS shellfish condemnation # 054-021 B (effective 20151102).	5A	PCB in Fish Tissue	2006	L	1.119
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VAT-C07E_SWB02A08 / Southwest Br. Back River - Mouth / Lower portion to confluence with mainstem Back R. CBP Segment MOBPH. Portion of DSS shellfish (OPEN) condemnation # 054-021 (effective 20151102).	5A	PCB in Fish Tissue	2006	L	0.568
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VAT-C07E_TBC01A04 / Tabbs Creek - NW Br Back River / Tributary to Northwest Branch Back River, entirety of creek. CBP segment MOBPH. Portion of DSS shellfish condemnation # 054-021 E (effective 20151102).	5A	PCB in Fish Tissue	2006	L	0.069
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VAT-C07E_TBC02A10 / Tabbs Creek Mouth - NW Br Back River / Tributary to Northwest Branch Back River, mouth of creek. CBP segment MOBPH. Portion of DSS OPEN shellfish condemnation # 054-021 (effective 20151102).	5A	PCB in Fish Tissue	2006	L	0.038
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VAT-C07E_THR01A10 / Sandbox Area NW Thorofare / Sandbox Area NW Thorofare Inlet near Goodwin Neck. CBP Segment MOBPH. DSS OPEN condemnation 053-051 (effective 20150218).	5A	PCB in Fish Tissue	2006	L	0.012
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VAT-C07E_WAL01A06 / Wallace Creek - Upper (Back River) / Tributary to south shore Back River, east of Harris R & adjacent to Inlet #2. Most upstream tip of creek. CBP segment MOBPH. DSS (PROHIBITED - ADMIN COND) shellfish condemnation # 054-215 B&D (effective 20161031).	5A	PCB in Fish Tissue	2006	L	0.036
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VAT-C07E_WAT01A06 / Watts Creek - (NW Br. Back River) / Located southwest of Poquoson. Watts Cr. trib to Northwest Br. of Back R. CBP segment MOBPH. Portion of DSS condemnation # 054-021 (effective 20151102).	5A	PCB in Fish Tissue	2006	L	0.058
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VAT-C07E_WHH01A06 / White House Cove - Bennet Cr. Area /	5A	PCB in Fish Tissue	2006	L	0.145
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# Fact Sheets for Impaired (Category 4 or 5) Waters in 2018

## Chesapeake Bay/Atlantic/Small Coastal Basins

Located in York Haven Anchorage area, south of mouth of Poquoson R, CBP segment MOBPH. Portion of DSS Shellfish condemnation # 053-222 C and seasonal M1 (effective 20160511).

VAT-C07E_ZZZ01A00 / Unsegmented estuaries in Back River / Non segmented areas of C07E. CBP Segment MOBPH. No DSS direct shellfish harvesting condemnation.	5A	PCB in Fish Tissue	2006	L	1.040
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VAT-C07E_ZZZ01B12 / Unsegmented estuaries in Back River - DSS / Non segmented areas of C07E. CBP Segment MOBPH. DSS Condemnation # 054-021 B (effective date 20151102).	5A	PCB in Fish Tissue	2006	L	0.097
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Chesapeake Bay & Tidal Tributaries VDH Fish Consumption Advisory for PCBs		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Fish Consumption</b>				
PCB in Fish Tissue - Total Impaired Size by Water Type:		<b>16.029</b>		

### Sources:

Source Unknown



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C07E-01-SF

**Brick Kiln Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 054-021A, 11/02/2015.

City / County: Hampton City                      York Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is not supporting due to DSS shellfish direct harvesting condemnation. Covered under TMDL ID 31233, Back River Northwest Branch (2/9/2018).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_BRK01A06 / Brick Kiln Creek / From 0.3 mi. downstream of Big Bethel Res. dam (approx. RM 5.0, end of tidal waters north of Ebenezer Church ) downstream to confluence with Northwest Br. Back R. CBP Segment MOBPH. Portion of DSS shellfish condemnation # 054-021 A (effective 20151102).	4A	Fecal Coliform	1998	L	0.086

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Brick Kiln Creek			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>					
	Fecal Coliform - Total Impaired Size by Water Type:		<b>0.086</b>		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C07E-02-BAC

**Newmarket Creek - Upper & Lower**

**Cause Location:** This cause encompasses from the end of tidal waters at Terrant ES (approx. RM 5.1) downstream to confluence with SW Branch Back River. South of Blue Bird Gap Farm area. CBP Segment MOBPH.

**City / County:** Hampton City

**Use(s):** Recreation

**Cause(s) / VA Category:** Enterococcus / 4A

The Recreation Use is not supporting due to exceedance of the criteria for Enterococcus bacteria, extrapolated from data collected at the downstream station @ 7-NEW001.92 (6 viol. / 16 obs.). Recreation and Shellfish bacteria impairments covered under TMDL for Back River (EPA TMDL ID = 31234, approved 2/9/2018).

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_NEW01A02 / Newmarket Creek - Upper / South of Blue Bird Gap Farm area. From end of tidal waters at Terrant ES (approx. RM 5.1) downstream to I-64 crossing (RM 3.68). CBP Segment MOBPH. Portion of DSS shellfish condemnation # 054-021 B (effective 20151102).	4A Enterococcus	2006	L	0.073
VAT-C07E_NEW02A02 / Newmarket Creek - Lower / South of Blue Bird Gap Farm area. From the I-64 crossing (RM 3.68) downstream to confluence with SW Br. Back R. CBP Segment MOBPH. Portion of DSS shellfish condemnation # 054-021 B (effective 20151102).	4A Enterococcus	2006	L	0.079
Newmarket Creek - Upper & Lower		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Recreation				
Enterococcus - Total Impaired Size by Water Type:		0.152		

### Sources:

Discharges from Municipal Separate Storm Sewer Systems (MS4)  
Wildlife Other than Waterfowl

Source Unknown

Wastes from Pets

Waterfowl

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C07E-04-BAC

**Poquoson River - Upper**

**Cause Location:** This cause encompasses the area from Rt. 17 crossing @ reservoir dam (RM 5.7) downstream to past confluence of Quarter March Cr (RM 2.7) @ Calthrop Neck. Including Moores & Quarter March Creeks. CBP Segment MOBPH.

**City / County:** York Co.

**Use(s):** Recreation

**Cause(s) / VA Category:** Enterococcus / 4A

The Recreation Use is not supporting due to Enterococcus concentrations at station 7-POQ004.1 (22 violates / 32 obs.) exceeding the swimming indicator criteria. 1998 CD segment for FC (Attachment A, Category 1, Part 1) VAT-C07E-04. Covered under TMDL for Poquoson River (EPA approved 8/2/2006), TMDL EPA approved (VAT-C07E-11-SF) for Fecal Coliform [25403] 8/2/2006, modified 3/19/2014, 2/1/2018.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_POQ01A06 / Poquoson River - Upper [TMDL-CD] / From Rt 17 crossing @ reservoir dam (RM 5.7) downstream to past confluence of Quarter March Cr (RM 2.7) @ Calthrop Neck. Including Moores & Quarter March Creeks. CBP Segment MOBPH. DSS shellfish condemn # 053-137 A (effective 20150218).	4A	Enterococcus	1998	L	0.518
Poquoson River - Upper			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>		Enterococcus - Total Impaired Size by Water Type:	<b>0.518</b>		

**Sources:**

Discharges from Municipal  
Separate Storm Sewer  
Systems (MS4)

Wastes from Pets

Waterfowl

Wildlife Other than  
Waterfowl

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C07E-05-BAC

**SW Br Back R - DSS OPEN [TMDL]**

Cause Location: This cause encompasses the headwaters of Southwest Branch downstream to Langley View. CBP segment MOBPH.

City / County: Hampton City

Use(s): Recreation

Cause(s) / VA Category: Fecal Coliform / 4A

The Recreation Use is not supporting due to previous Fecal Coliform data recorded @7-SWB000.00 during the 2002 IR which indicated exceedance of the bacteria criteria. There are no current data for Enterococcus bacteria data to assess the Recreation Use. Covered under TMDL for Back River - Southwest Branch was EPA approved [33839] for Fecal Coliform (VAT-C07E-22-SF) 2/1/2018.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_SWB01A08 / SW Br Back River - Incl Tides Mill Cr [TMDL area] / Headwaters of Southwest Branch (incl tidal Tides Mill Cr) downstream to Langley View. CBP segment MOBPH. Portion of DSS shellfish condemnation # 054-021 B (effective 20151102).	4A	Fecal Coliform	1998	L	1.119

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SW Br Back R - DSS OPEN [TMDL]	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>1.119</b>		

**Sources:**

Discharges from Municipal Separate Storm Sewer Systems (MS4)

Source Unknown

Wastes from Pets

Waterfowl

Wildlife Other than Waterfowl

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C07E-05-BAC2

**Southwest Br. Back River - Mouth**

Cause Location: This cause encompasses the lower portion of the SW Branch Back River to the confluence with mainstem Back River.

City / County: Hampton City Poquoson City.

Use(s): Recreation

Cause(s) / VA Category: Fecal Coliform / 4A

The Recreation Use is impaired based on data outside of the assessment window. Previous DEQ station showed impairment @7-SWB000.00 for Fecal Coliform bacteria (2002 IR, 2 violates / 7 obs.).

Segment was nested in the 2014 IR however now based on the modified TMDL for Back River EPA approved 4/14/2014 this segment is included and no longer needs to be nested.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_SWB02A08 / Southwest Br. Back River - Mouth / Lower 4A portion to confluence with mainstem Back R. CBP Segment MOBPH. Portion of DSS shellfish (OPEN) condemnation # 054-021 (effective 20151102).	Fecal Coliform	2002	L	0.568
Southwest Br. Back River - Mouth		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>	Fecal Coliform - Total Impaired Size by Water Type:	<b>0.568</b>		

### Sources:

Discharges from Municipal  
Separate Storm Sewer  
Systems (MS4)

Source Unknown

Wastes from Pets

Waterfowl

Wildlife Other than  
Waterfowl

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C07E-06-SF

**Lambs Creek - Poquoson River**

**Cause Location:** This cause encompasses this south shore tributary to Poquoson R, west of Poquoson Shores. On border of Poquoson/York boundary. Between Moores Creek and Roberts Cr to east. CBP Segment MOBPH.

**City / County:** Poquoson City.

**Use(s):** Shellfishing

**Cause(s) / VA Category:** Fecal Coliform / 4A

The Shellfish Use is impaired based on DSS Condemnation # 053-137 effective 20150218. This AU (part of Lambs Cr) was delisted in 2016 for Fecal Coliform - C07E-06-SF (1998).

Lambs Creek is covered under TMDL for Poquoson River - Lambs Creek [EPA approved 8/2/2006, VAT-C07E-06-SF for Fecal Coliform [31190] 8/2/2006, modified 3/19/2014.

1999 CD segment (Attachment A, Category 3) TMDL ID VAT-C07E-06.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_LMC01A04 / Lambs Creek - Poquoson River / South shore tributary to Poquoson R, west of Poquoson Shores. On border of Poquoson/York boundary. Between Moores Cr. and Roberts Cr to east. CBP Segment MOBPH. DSS Shellfish condemnation # 053-137 C (effective 20150218).	4A	Fecal Coliform	1998	L	0.135
VAT-C07E_LMC02A16 / Lambs Creek - Mouth / Mouth of Lambs Creek located on South shore tributary to Poquoson R, west of Poquoson Shores. CBP Segment MOBPH. DSS Shellfish condemnation # 053-137 (effective 20150218).	4A	Fecal Coliform	2018	L	0.028
Lambs Creek - Poquoson River			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing			Fecal Coliform - Total Impaired Size by Water Type: <b>0.163</b>		

**Sources:**

Discharges from Municipal Separate Storm Sewer Systems (MS4)

Marina/Boating Sanitary On-vessel Discharges

Source Unknown

Wastes from Pets

Waterfowl

Wildlife Other than Waterfowl

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C07E-07-SF

**Patricks Creek - Poquoson River**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 053-137 D, 2/18/2014.

City / County: York Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

Shellfish Use is impaired based on DSS Shellfish condemnation # 053-137 B (effective 20140218). 2006 IR ID = # 053-137D. Including Moores & Quarter March Creeks. Shellfish bacteria impairments covered under TMDL for Poquoson River - Patricks Creek (EPA approved 8/2/2006). TMDL EPA approved (VAT-C07E-07-SF) for Fecal Coliform [31196] 8/2/2006 modified 3/19/14, 2/1/2018.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_PTC01A04 / Patricks Creek - Poquoson River / North shore trib to Poquoson River south of Dare area. CBP Segment MOBPH. DSS Shellfish condemnation # 053-137 B (effective 20150218).	4A	Fecal Coliform	2004	L	0.119
Patricks Creek - Poquoson River			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing		Fecal Coliform - Total Impaired Size by Water Type:	0.119		

Sources:

Discharges from Municipal Separate Storm Sewer Systems (MS4)

Wastes from Pets

Waterfowl

Wildlife Other than Waterfowl

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C07E-09-SF

**White House Cove**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 053-222 C, 2/18/2014.

City / County: Poquoson City.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is not supporting due to portion of DSS Shellfish condemnation # 053-222 C & M1 (effective 20160511). 1998 CD segment for shellfish (Attachment A, Category 3) VAT-C07E-09. Covered under TMDL for Poquoson River - Whitehouse Cove [EPA approved 2/1/2018]

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_WHH01A06 / White House Cove - Bennet Cr. Area / Located in York Haven Anchorage area, south of mouth of Poquoson R, CBP segment MOBPH. Portion of DSS Shellfish condemnation # 053-222 C and seasonal M1 (effective 20160511).	4A	Fecal Coliform	1998	L	0.145
White House Cove			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing		Fecal Coliform - Total Impaired Size by Water Type:	0.145		

Sources:

Discharges from Municipal  
Separate Storm Sewer  
Systems (MS4)

Wastes from Pets

Waterfowl

Wildlife Other than  
Waterfowl



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C07E-10-SF

**Upper Back Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 053-151 A& M1 2/18/2015.

City / County: York Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is not supporting due to DSS Shellfish condemnation. 1998 CD segment for shellfish (Attachment A, Category 3) VAT-C07E-10. Previously (2006) TMDL-ID = VAT-C07E-10. Contained in TMDL for Poquoson River (25403) VAT-C07E-11-SF EPA approved 2/1/2018.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_BCK01A00 / Back Creek - Upper / Back Creek (S of York R mouth) tributary to the Thorofare and Chesapeake Bay. From end of tidal waters downstream to point upstream of Dandy (RM 1.6). CBP Segment MOBPH. DSS shellfish condemnation # 053-151 A &M1 (effective 20150218).	4A	Fecal Coliform	1998	L	0.222
Upper Back Creek			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing		Fecal Coliform - Total Impaired Size by Water Type:	0.222		

Sources:

Discharges from Municipal  
Separate Storm Sewer  
Systems (MS4)

Rural (Residential Areas)

Wastes from Pets

Waterfowl

Wildlife Other than  
Waterfowl

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C07E-11-SF

**Poquoson River - Upper [TMDL - CD]**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 053-137 A, 2/18/2015.

City / County: York Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is not supporting due to DSS shellfish direct harvesting condemnation # 053-137A. Included in Poquoson R. TMDL 2/1/2018.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_POQ01A06 / Poquoson River - Upper [TMDL-CD] / From Rt 17 crossing @ reservoir dam (RM 5.7) downstream to past confluence of Quarter March Cr (RM 2.7) @ Calthrop Neck. Including Moore's & Quarter March Creeks. CBP Segment MOBPH. DSS shellfish condemn # 053-137 A (effective 20150218).	4A	Fecal Coliform	1998	L	0.518
Poquoson River - Upper [TMDL - CD]			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing		Fecal Coliform - Total Impaired Size by Water Type:	0.518		

Sources:

Discharges from Municipal  
Separate Storm Sewer  
Systems (MS4)

Wastes from Pets

Waterfowl

Wildlife Other than  
Waterfowl

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **C07E-13-SF**

**Long & Grunland Creeks**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 054-215 C, 10/31/2016.

City / County: Hampton City

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is not supporting due to DSS Shellfish condemnation. 1998 CD segment for shellfish (Attachment A, Category 3) VAT-C07E-13. Covered under TMDL for Back River - Long & Grunland Creeks was EPA approved [25404] for Fecal Coliform 2/1/2018.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_GLD02A18 / Grunland Creek - Back River / South shore 4A trib. to mainstem Back R. Adjacent to Grunland Point. CBP Segment MOBPH. DSS shellfish harvesting condemnation # 054-215 C (effective 20161031).	Fecal Coliform	2010	L	0.064
VAT-C07E_LON01A06 / Long Creek - Back River / South shore trib. 4A to mainstem Back R. Adjacent to Grandview natural Preserve area. CBP Segment MOBPH. DSS shellfish harvesting condemnation # 054-215 C (effective 20161031).	Fecal Coliform	2010	L	0.043
Long & Grunland Creeks		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing		Fecal Coliform - Total Impaired Size by Water Type: <b>0.107</b>		

### Sources:

Discharges from Municipal Separate Storm Sewer Systems (MS4)	Marina/Boating Sanitary On-vessel Discharges	Source Unknown	Wastes from Pets
Waterfowl	Wildlife Other than Waterfowl		

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **C07E-14-SF**

**Harris River - Upper**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 054-215 C, 10/31/2016.

City / County: Hampton City

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is not supporting due to DSS Shellfish condemnation. 1998 CD segment for shellfish (Attachment A, Category 3) VAT-C07E-14. Harris R. covered under TMDL ID VAT-C07E-14-SF (31210), Harris River (Back River), EPA approved 2/1/2018.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_HAR01A06 / Harris River - Upper / South shore trib. to mainstem Back R. Adjacent to Fox Hill area. DSS shellfish condemnation # 054-215 A (effective 20161031). CBP Segment MOBPH.	4A	Fecal Coliform	1998	L	0.198
Harris River - Upper			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>					
Fecal Coliform - Total Impaired Size by Water Type:			<b>0.198</b>		

Sources:

Discharges from Municipal  
Separate Storm Sewer  
Systems (MS4)

Marina/Boating Sanitary On-  
vessel Discharges

Wastes from Pets

Waterfowl

Wildlife Other than  
Waterfowl

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C07E-15-SF

**DSS Inlet #1 - Unnamed Inlet at Mouth of SW Branch**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 054-021 C (effective 20151102).

City / County: Hampton City

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is not supporting due to DSS Shellfish condemnation # 054-021 C. 1998 CD segment for shellfish (Attachment A, Category 3) VAT-C07E-15. EPA approved 2/1/2018 for VAT-C07E-15-SF [31209].

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_IN101A08 / DSS Inlet #1 - Unnamed Inlet at Mouth of SW Branch / South shore trib. to mainstem Back R. Located east of mouth of SW Branch. CBP Segment MOBPH. DSS shellfish harvesting condemnation # 054-021 C (effective 20151102).	4A	Fecal Coliform	1998	L	0.025

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DSS Inlet #1 - Unnamed Inlet at Mouth of SW Branch	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.025</b>		

**Sources:**

Discharges from Municipal  
Separate Storm Sewer  
Systems (MS4)

Marina/Boating Sanitary On-  
vessel Discharges

Source Unknown

Wastes from Pets

Waterfowl

Wildlife Other than  
Waterfowl

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C07E-17-SF

**Cedar & Topping Creeks**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 054-021 A, 11/2/2015.

City / County: Poquoson City.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is not supporting due to DSS Shellfish condemnation. 1998 CD segment for shellfish (Attachment A, Category 3) VAT-C07E-17. Shellfish bacteria impairment covered under TMDL for Poquoson River - Cedar & Topping Creeks. TMDL EPA approve (VAT-C07E-18-SF & VAT-C07E-06) for Fecal Coliform [31207 & 31188] 2/1/2018.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_CCR01A06 / Cedar & Topping Creeks / Located near City of Poquoson. Cedar & Topping Creeks are tribs to the north shore of the Northwest Branch of Back River. Portion of DSS condemnation # 054-021 A (less NW Br Back R./Brick Kiln Cr. portion) effective 20151102. CBP Segment MOBPH.	4A Fecal Coliform	1998	L	0.109
Cedar & Topping Creeks		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing	Fecal Coliform - Total Impaired Size by Water Type:			
	<b>0.109</b>			

Sources:

Discharges from Municipal  
Separate Storm Sewer  
Systems (MS4)

Waterfowl

Wildlife Other than  
Waterfowl

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C07E-19-SF

**Tabbs Creek Mouth - NW Br Back River**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 054-021 E(effective 20141031).

City / County: Poquoson City.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is impaired based on DSS SF Condemnation # 054-021E (effective 20151102). Area included in the Back River TMDL EPA approved (VAT-C07E-19-SF) for Fecal Coliform [31206] 2/9/2018.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_TBC01A04 / Tabbs Creek - NW Br Back River / Tributary to Northwest Branch Back River, entirety of creek. CBP segment MOBPH. Portion of DSS shellfish condemnation # 054-021 E (effective 20151102).	4A	Fecal Coliform	2006	L	0.069
Tabbs Creek Mouth - NW Br Back River			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing		Fecal Coliform - Total Impaired Size by Water Type:	0.069		

### Sources:

Discharges from Municipal Separate Storm Sewer Systems (MS4)

Wastes from Pets

Waterfowl

Wildlife Other than Waterfowl

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C07E-20-SF

**Back Creek - Inlet near Dandy Point**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 054-215 B , 20161031.

City / County: Hampton City

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is impaired based on shellfish condemnation # 054-215 B, effective 20161031. Shellfish bacteria impairment covered under TMDL for Back River - Wallace Creek (EPA approved 2/9/2018). Referenced in TMDL as Inlet #2 as a part of shellfish condemnation 21-H or VAT-C07E-20 TMDL ID.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_BAK02A14 / Back Creek - Inlet near Dandy Point [TMDL] / Tributary to south shore Back River (incl area in Back R), east of Harris R & adjacent to Inlet #2. CBP segment MOBPH. Portion of DSS shellfish condemnation # 054-215 B, 20161031.	4A	Fecal Coliform	2014	L	0.034
Back Creek - Inlet near Dandy Point			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing					
Fecal Coliform - Total Impaired Size by Water Type:			0.034		

Sources:

Discharges from Municipal Separate Storm Sewer Systems (MS4)

Marina/boating Pumpout Releases

Marina/Boating Sanitary On-vessel Discharges

Waterfowl



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C07E-21-SF

**Cedar & Topping Creeks and Northwest Br. Back River - Upper**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 054-021 A, 11/2/2015.

City / County: Hampton City Poquoson City.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is not supporting due to DSS Shellfish condemnation (less Cedar/Topping & Brick Kiln Creeks). Previously listed (2006 IR) under TMDL-ID: VAT-C07E-21. Covered under TMDL ID VAT-C07E-21-SF (31201), Back River, Northwest Branch, EPA approved [31201] for Fecal Coliform (VAT-C07E-21-SF) 11/2/2015.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_NWB01A06 / Northwest Br. Back River - Upper [TMDL-CD] / CBP Segment MOBPH. Headwaters to confluence of Cedar Creek between Cedar Point and Marsh Point. Portion of DSS shellfish condemnation # 054-021 A (less Cedar/Topping & Brick Kiln Creeks, effective 20151102).	4A	Fecal Coliform	1998	L	0.220

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Cedar & Topping Creeks and Northwest Br. Back River - Upper	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.220</b>		

Sources:

Discharges from Municipal  
Separate Storm Sewer  
Systems (MS4)

Wastes from Pets

Waterfowl

Wildlife Other than  
Waterfowl

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C07E-22-SF

**Newmarket Creek trib and Southwest Branch - Back River**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 054-021 B, 11/02/2015.

City / County: Hampton City

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is not supporting due to DSS Shellfish condemnation. Previously listed (2006 IR) under TMDL-ID: VAT-C07E-22. Covered under TMDL ID VAT-C07E-22-SF (33839), Back River, Southwest Branch, EPA approved 2/9/2018.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_NEW01A02 / Newmarket Creek - Upper / South of Blue 4A Bird Gap Farm area. From end of tidal waters at Terrant ES (approx. RM 5.1) downstream to I-64 crossing (RM 3.68). CBP Segment MOBPH. Portion of DSS shellfish condemnation # 054-021 B (effective 20151102).	4A	Fecal Coliform	1998	L	0.073
VAT-C07E_NEW02A02 / Newmarket Creek - Lower / South of Blue 4A Bird Gap Farm area. From the I-64 crossing (RM 3.68) downstream to confluence with SW Br. Back R. CBP Segment MOBPH. Portion of DSS shellfish condemnation # 054-021 B (effective 20151102).	4A	Fecal Coliform	1998	L	0.079
VAT-C07E_SWB01A08 / SW Br Back River - Incl Tides Mill Cr [TMDL area] / Headwaters of Southwest Branch (incl tidal Tides Mill Cr) downstream to Langley View. CBP segment MOBPH. Portion of DSS shellfish condemnation # 054-021 B (effective 20151102).	4A	Fecal Coliform	1998	L	1.119
Newmarket Creek trib and Southwest Branch - Back River			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing					
Fecal Coliform - Total Impaired Size by Water Type:			1.272		

### Sources:

Discharges from Municipal  
Separate Storm Sewer  
Systems (MS4)

Source Unknown

Wastes from Pets

Waterfowl

Wildlife Other than  
Waterfowl

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C07E-23-SF

**Chisman Creek - Upper & Goose Cr**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 053-221 A,B, M2 20160511.

City / County: Poquoson City.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is not supporting due to the DSS shellfish harvesting condemnation DSS condemnation # 053-221 A,B, M2 (effective 20160511). Considered NESTED under TMDL ID VAT-C07E-23-SF (25405), Chisman Creek (Poquoson River), EPA approved 2/1/2018.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_CHS01A06 / Chisman Creek-Upper / From end of tidal waters (upper 1/3 of creek), downstream to area of Evergreen Shores (approx. RM 0.9). CBP Segment MOBPH. DSS condemnation # 053-221A & seasonal M2 (effective 20160511).	4A	Fecal Coliform	1998	L	0.306
VAT-C07E_GOO01A14 / Goose Creek- Upper / From end of tidal waters to approx. River mile 0.27. DSS Shellfish condemnation # 053-221 B (effective 20160511).	4A	Fecal Coliform	1998	L	0.065
Chisman Creek - Upper & Goose Cr			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing					
Fecal Coliform - Total Impaired Size by Water Type:			0.371		

### Sources:

Discharges from Municipal Separate Storm Sewer Systems (MS4)

Marina/Boating Sanitary On-vessel Discharges

Source Unknown

Wastes from Pets

Waterfowl

Wildlife Other than Waterfowl

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C07E-25-SF

**Lyons Creek - Upper, Middle**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 053-222 B, 5/11/2016.

City / County: Poquoson City.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is not supporting due to DSS Shellfish condemnation. Covered in Poquoson River TMDL EPA approved 2/1/2018.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_LYO01A06 / Lyons Creek - Upper & Middle / South shore tributary to Poquoson R, in area of York Haven Anchorage. East of Roberts Cr. and north of White House Cove. CBP Segment MOBPH. Portion of DSS Shellfish condemnation # 053-222 B (effective 20160511).	4A	Fecal Coliform	2006	L	0.070
Lyons Creek - Upper, Middle			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing		Fecal Coliform - Total Impaired Size by Water Type:	0.070		

### Sources:

Discharges from Municipal Separate Storm Sewer Systems (MS4)

Marina/Boating Sanitary On-vessel Discharges

Wastes from Pets

Waterfowl

Wildlife Other than Waterfowl

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C07E-26-SF

**Floyds Bay**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 053-222 D, 5/11/2016.

City / County: Poquoson City.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is not supporting due to DSS Shellfish condemnation. The modified Poquoson River and Back Creek TMDL (55841) EPA approved 2/1/2018 includes Floyds Bay.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_FLY01A06 / Floyds Bay- Upper / Upper Portion of Floyds Bay. Located in southeast corner of Bennett Cr, trib to Poquoson River. Area of York Haven Anchorage. Portion of DSS shellfish condemnation # 053-222 D (effective 20160511). CBP Segment MOBPH.	4A	Fecal Coliform	2006	L	0.042
Floyds Bay			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing					
Fecal Coliform - Total Impaired Size by Water Type:			0.042		

### Sources:

Discharges from Municipal Separate Storm Sewer Systems (MS4)

Marina/Boating Sanitary On-vessel Discharges

Urban Runoff/Storm Sewers

Wastes from Pets

Waterfowl

Wildlife Other than Waterfowl

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **C07E-33-EBEN**

**Northwest Br. Back River - Upper near Marsh Point**

**Cause Location:** This cause encompasses the impairment located in the Northwest Branch Back River - Upper portion near Marsh Point. This cause encompasses the benthic community related to the ProbMon station 7-NWB002.18.

**City / County:** Hampton City                      Poquoson City.

**Use(s):** Aquatic Life

**Cause(s) / VA Category:** Estuarine Bioassessments / 5A

The Aquatic Life Use is impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per benthic community structure analysis. There is no source/stressor currently identified as source for the impairment. Probable effects (chronic and acute) of sediment contamination - pesticides (DDT exceeded ERM), metals and PAHs.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_NWB01B08 / Northwest Br. Back River - Upper [TMDL not CD] / Northwest Br. Back River upper portion from confluence of Cedar Creek downstream to confluence Tabbs Cr. Portion DSS shellfish condemnation # 054-021 A (less Cedar/Topping & Brick Kiln Creeks, effective 20151102). CBP Segment MOBPH.	5A	Estuarine Bioassessments	2010	L	0.248
Northwest Br. Back River - Upper near Marsh Point			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>					
Estuarine Bioassessments - Total Impaired Size by Water Type:			<b>0.248</b>		

**Sources:**

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **C07E-33-SF**

**Northwest Br. Back River - Upper**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 054-021 A, 11/02/2015.

City / County: Hampton City Poquoson City.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is not supporting due to DSS Shellfish condemnation. Shellfish bacteria impairment covered under TMDL for Back River - Northwest Branch was EPA approved [31201] for Fecal Coliform (VAT-C07E-21-SF) 2/9/2018.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_NWB01B08 / Northwest Br. Back River - Upper [TMDL not CD] / Northwest Br. Back River upper portion from confluence of Cedar Creek downstream to confluence Tabbs Cr. Portion DSS shellfish condemnation # 054-021 A (less Cedar/Topping & Brick Kiln Creeks, effective 20151102). CBP Segment MOBPH.	4A	Fecal Coliform	2006	L	0.248
Northwest Br. Back River - Upper			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>		Fecal Coliform - Total Impaired Size by Water Type:	<b>0.248</b>		

Sources:

Discharges from Municipal  
Separate Storm Sewer  
Systems (MS4)

Source Unknown

Wastes from Pets

Waterfowl

Wildlife Other than  
Waterfowl

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **C07E-38-SF**

**Bennett Creek - Upper (DSS\_06-IR)**

**Cause Location:** This cause encompasses the Bennett Creek upstream portion (S of Poquoson R mouth) tributary to Poquoson River. From end of tidal waters downstream 0.1mi. CBP Segment MOBPH.

**City / County:** Poquoson City.

**Use(s):** Shellfishing

**Cause(s) / VA Category:** Fecal Coliform / 4A

The Shellfish Use is impaired based on DSS Condemnation # 053-222 E (effective date 20160511). This segment is within the 2/9/2018 Poquoson Bacteria TMDL modification. Moved to 4A in 2018 IR.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_BEN01A06 / Bennett Creek - Upper (DSS_06-IR) / Bennett Creek upstream portion (S of Poquoson R mouth) tributary to Poquoson River. From end of tidal waters downstream 0.1 mi. CBP Segment MOBPH. Portion of DSS shellfish condemnation # 053-222 E (effective 20160511).	4A	Fecal Coliform	2012	L	0.039

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Bennett Creek - Upper (DSS_06-IR)	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.039</b>		

**Sources:**

Source Unknown



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **C07E-41-SF**

**Unsegmented estuaries in Back River - DSS**

Cause Location: This cause encompasses the non segmented areas of C07E. CBP Segment MOBPH.

City / County: Hampton City                      Poquoson City.                      York Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is impaired based on the DSS Condemnation # 054-021 B (effective date 20151102). Segment included in the 2014 and 2018 TMDL modifications for Back River Bacteria TMDL Project ID 10804.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_ZZZ01B12 / Unsegmented estuaries in Back River - DSS / Non segmented areas of C07E. CBP Segment MOBPH. DSS Condemnation # 054-021 B (effective date 20151102).	4A	Fecal Coliform	2012	L	0.097
Unsegmented estuaries in Back River - DSS			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			Fecal Coliform - Total Impaired Size by Water Type: <b>0.097</b>		

Sources:

Discharges from Municipal  
Separate Storm Sewer  
Systems (MS4)

Wastes from Pets

Waterfowl

Wildlife Other than  
Waterfowl

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C07E-42-SF

**Front Cove - Upper**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 054-021 D (effective 20151102).

City / County: Poquoson City.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is impaired due to the DSS shellfish harvesting area # 054-021 D (effective 20151102). Covered under TMDL for Back River - Front Cove (EPA approved 2/9/2018). 1999 CD segment for shellfish (Attachment A, Category 3) VAT-C07E-12.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_FRT01A06 / Front Cove - Upper / North shore trib. to mainstem Back R. Adjacent to Messick Point. DSS shellfish condemnation # 054-021 D (effective 20151102). CBP Segment MOBPH.	4A	Fecal Coliform	2006	L	0.042
Front Cove - Upper			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing					
Fecal Coliform - Total Impaired Size by Water Type:			0.042		

Sources:

Discharges from Municipal Separate Storm Sewer Systems (MS4)

Marina/Boating Sanitary On-vessel Discharges

Wastes from Pets

Waterfowl

Wildlife Other than Waterfowl

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **C07E-43-BAC**

**Buckroe Beaches**

Cause Location: This cause encompasses the area northeast of Buckroe Beach southwest to parallel with start of Mill Cr. Portion of CBP Segment CB8PH. No DSS shellfish condemnations.

City / County: Hampton City

Use(s): Recreation

Cause(s) / VA Category: Enterococcus / 5A

The Recreation Use is impaired based on Enterococcus bacteria data from the VDH-Beach station VA884979 (3 viol. / 23 Geo-mean obs.) along with multiple swimming advisories between the years 2009-2014. This is a new impairment for the Buckroe Beach. Tidewater beaches experienced a wide spread precipitation event on Sept 8 with a total of 5 inches of rainfall. Since the event is within the last two years of the assessment period, the beach will be listed in the 2016 IR as impaired.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_BCB01A06 / Buckroe Beaches / From northeast of Buckroe Beach southwest to parallel with start of Mill Cr. Portion of CBP Segment CB8PH. No DSS shellfish condemnations.	5A	Enterococcus	2016	L	0.224
Buckroe Beaches			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>					
Enterococcus - Total Impaired Size by Water Type:			<b>0.224</b>		

Sources:

Urban Runoff/Storm Sewers	Wet Weather Discharges (Non-Point Source)	Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)
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# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C07E-44-BAC

**Chisman Creek - Lower**

**Cause Location:** This cause encompasses the lower 2/3 of creek, downstream from area of Evergreen Shores (RM 0.9) to mouth. CBP Segment MOBPH. DSS (OPEN) condemnation # 053-221 M1(effective 20160511).

**City / County:** Poquoson City.

**Use(s):** Recreation

**Cause(s) / VA Category:** Enterococcus / 4A

The Recreation Use is impaired in the 2018 IR. Both merged segments VAT-C07E\_CHS02A06 and VAT-C07E\_CHS02B06 are included in the impairment for the 2006 CFL based on station 7-CHS000.84. Enterococci data from Station 7-CHS000.84 violates 4 times out of 31 obs. Station was first listed as impaired in the 2006 IR and maintained impairment for recreation use until it was delisted in the 2010 IR with 2 viol / 32 obs. The station has maintained support for Recreation Use for the 2010, 2012 and 2014 Assessments. Previous Cause Group Code , C07E-29-BAC. 2016 the re-listing the impairment will get a new Cause Group Code, C07E-44-BAC.

Upper portion of Assessment Unit is includes in the TMDL (includes station 7-CHS000.84 to Boathouse Creek). The remaining piece of AU were nested in the 2016 IR for the Enterococci impairment under the SF TMDL. This segment is considered NESTED under TMDL ID VAT-C07E-23-SF (25405), Chisman Creek (Poquoson River), EPA approved 2006, modified 3/19/2014 and 2/9/2018 with EPA ID 55841.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_CHS02A06 / Chisman Creek - Lower / Lower 2/3 of creek, downstream from area of Evergreen Shores (RM 0.9) to mouth. CBP Segment MOBPH. DSS (OPEN) condemnation # 053-221 & M1(effective 20160511).	4A	Enterococcus	2006	L	0.631
Chisman Creek - Lower			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>					
Enterococcus - Total Impaired Size by Water Type:			<b>0.631</b>		

**Sources:**

Non-Point Source	Urban Runoff/Storm Sewers	Wet Weather Discharges (Non-Point Source)	Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)
Wildlife Other than Waterfowl			

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C07E-45-SF

**Bay Tree Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 081-119 B (effective 20130325).

City / County: York Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfish Use is impaired for Bay Tree Creek and nested within the Poquoson river Bacteria TMDL that was EPA approved 2/1/2018. This impairment is located within existing Poquoson River TMDL watershed with comparable land uses. The TMDL assigned load reductions based on land use types and will address new impairment for Bay Tree Creek. No new point sources associated with new shellfish impairment area.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_BTC01A08 / Bay Tree Creek / Trib to Bay, S of The Thorofare & N of mouth of Poquoson R. @ Bay Tree Point. CBP Segment MOBP. DSS Shellfish condemnation # 053-221 C(effective 20160511).	4A	Fecal Coliform	2018	L	0.076
Bay Tree Creek			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing					
Fecal Coliform - Total Impaired Size by Water Type:			0.076		

Sources:

Discharges from Municipal  
Separate Storm Sewer  
Systems (MS4)

Rural (Residential Areas)

Waterfowl

Wildlife Other than  
Waterfowl

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C07E-46-BEN

**Northwest Br. Back River - Lower**

**Cause Location:** This cause encompasses the area from the confluence of Topping Creek downstream to confluence with mainstem Back R.

**City / County:** Hampton City Poquoson City.

**Use(s):** Aquatic Life

**Cause(s) / VA Category:** Benthic-Macroinvertebrate Bioassessments / 5A

Aquatic life Use is impaired for benthics in the 2018 IR based on WoE Probmon station 7-NWB000.34 sampled in 2016. The WoE assessment result is 5A with a high probability of cumulative chronic effects of sediment pesticides (DDT) , PAHs and metals. ProbMon WoE station 7BNWB000.82 sampled in 2014 Assessment is insufficient (comments: potential of cumulative effects of sediment metals; muddy - 68% fines.).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_NWB02A06 / Northwest Br. Back River - Lower [DSS OPEN] / From area of confluence of Topping Creek (approx. RM 1.5) downstream to confluence with mainstem Back R. CBP Segment MOBPH. Portion of DSS (OPEN) shellfish condemnation # 054-021 (effective 20151102).	5A	Benthic-Macroinvertebrate Bioassessments	2018	L	0.961
Northwest Br. Back River - Lower			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>					
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:			<b>0.961</b>		

**Sources:**

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C07L-01-CU

**Harwoods Mill Reservoir**

Cause Location: This cause encompasses the Harwood Mills Reservoir, portion of Poquoson River upstream of dam @ RM 5.7. PWS for York County.

City / County: York Co.

Use(s): Aquatic Life

Wildlife

Cause(s) / VA Category: Copper / 5A

The Aquatic Life and Wildlife impairments are carried from 2004 IR, due water column copper exceedances of the freshwater acute criteria (data supplied by USGS @ station 01677850 - surface layer in September 2002). Exceedance of Cu freshwater acute criteria at violation rate of 100% (3 violates / 3 surface obs.).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07L_POQ01A04 / Harwoods Mill Reservoir (PWS) / Harwoods Mill Reservoir, portion of Poquoson River upstream of dam @ RM 5.7. PWS for York County.	5A	Copper	2004	L	257.68
	5A	Copper	2004	L	257.68
Harwoods Mill Reservoir			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life					
Copper - Total Impaired Size by Water Type:				<b>515.36</b>	

Sources:

Municipal (Urbanized High Density Area)

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **C07L-02-DO**

**Harwoods Mill Reservoir (PWS)**

Cause Location: This cause encompasses the Harwood Mills Reservoir, portion of Poquoson River upstream of dam @ RM 5.7.  
PWS for York County.

City / County: York Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Oxygen, Dissolved / 5A

The Aquatic Life Use is impaired for DO. The pooled DO violation rate is 10.7% with 9 viol / 84 obs. Individual station violations are 7-POQ005.72 @ 7/50 and 7-POQ006.84 @ 2/34. Previously in the 2014 IR, the DO was delisted based on a violation rate 8.3%. The DO was initially listed in 2004 with a CGC VAT-C07L-01-DO.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07L_POQ01A04 / Harwoods Mill Reservoir (PWS) / Harwoods Mill Reservoir, portion of Poquoson River upstream of dam @ RM 5.7. PWS for York County.	5A	Oxygen, Dissolved	2004	L	257.68
Harwoods Mill Reservoir (PWS)			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>		Oxygen, Dissolved - Total Impaired Size by Water Type:		<b>257.68</b>	

Sources:

Source Unknown



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **C07R-01-DO**

**Newmarket Creek - Lower Riverine**

**Cause Location:** This cause encompasses Newmarket Creek from 0.1 mi. below Chestnut Ave. downstream to 0.65 mi. below Aberdeen Rd. crossing. Lowermost riverine portion, prior to start of tidal influence. In area of Mount Olive Cemetery.

**City / County:** Hampton City

**Use(s):** Aquatic Life

**Cause(s) / VA Category:** Oxygen, Dissolved / 5A

The Aquatic Life Use is impaired based on data for DO at station 7-NEW005.44 with 3 viol / 12 obs.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07R_NEW01A06 / Newmarket Creek - Lower Riverine / From Mercury Blvd. downstream to 0.65 mi. below Aberdeen Rd. crossing. Lowermost riverine portion, prior to start of tidal influence. In area of Mount Olive Cemetery.	5A	Oxygen, Dissolved	2006	L	3.96
Newmarket Creek - Lower Riverine			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>		Oxygen, Dissolved - Total Impaired Size by Water Type:			<b>3.96</b>

**Sources:**

Municipal (Urbanized High Density Area)

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C07R-02-BAC

**Newmarket Creek - Lower Riverine**

**Cause Location:** This cause encompasses Newmarket Creek from 0.1 mi. below Chestnut Ave. downstream to 0.65 mi. below Aberdeen Rd. crossing. Lowermost riverine portion, prior to start of tidal influence. In area of Mount Olive Cemetery.

**City / County:** Hampton City

**Use(s):** Recreation

**Cause(s) / VA Category:** Fecal Coliform / 4A

The Recreation Use is impaired based on E.coli data from station 7-NEW005.44 with 6 viol/ 12 obs. Newmarket Creek was listed for fecal coliform in 2006. Recreation bacteria impairment covered under TMDL for Back River (EPA TMDL ID = 31234, 2/9/2018).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07R_NEW01A06 / Newmarket Creek - Lower Riverine / From Mercury Blvd. downstream to 0.65 mi. below Aberdeen Rd. crossing. Lowermost riverine portion, prior to start of tidal influence. In area of Mount Olive Cemetery.	4A	Fecal Coliform	2006	L	3.96
Newmarket Creek - Lower Riverine			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>					
Fecal Coliform - Total Impaired Size by Water Type:					<b>3.96</b>

**Sources:**

Discharges from Municipal Separate Storm Sewer Systems (MS4)

Wastes from Pets

Waterfowl

Wildlife Other than Waterfowl

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **C07R-03-BEN**

**UT to Big Bethel Reservoir**

Cause Location: This cause encompasses this tributary that crosses Saunders Rd and upstream of Oyster Point City Center.

City / County: Hampton City                      Poquoson City.                      York Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

The Aquatic Life Use is not supported based on 2016 fair Fall VCPMI score of 28.1. This is a probabilistic site that sample in the fall of 2016. This is a small urban tributary that flows into Big Bethel Reservoir. There are obvious signs of human disturbance.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07R_XFD01A18 / UT to Big Bethel Reservoir / Trib to Big Bethel that crosses Saunders Rd ; upstream to Oyster Point City Center	5A	Benthic-Macroinvertebrate Bioassessments	2018	L	2.91
UT to Big Bethel Reservoir			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>					
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:					<b>2.91</b>

Sources:

Inappropriate Waste Disposal

Source Unknown

Urban Runoff/Storm Sewers

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C08E-01-EBEN      LYNPH

**Cause Location:** This cause encompasses the entirety of Lynnhaven River, Broad Bay and Little Neck Creek. CBP segment LYNPH. BIBI segment LYNPHa.

**City / County:** Virginia Beach City

**Use(s):** Aquatic Life

**Cause(s) / VA Category:** Estuarine Bioassessments / 5A

The Aquatic Life Use is impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis. The source/stressor tool identified sediment contaminants as source for the impairment.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_BBY01A14 / Broad Bay / East of Lynnhaven River. Located adjacent to Broad Bay Colony area of VB. CBP segment LYNPH. BIBI segment LYNPHa. DSS (OPEN) shellfish direct harvesting condemnation # 071-095 (effective 20160211)	5A	Estuarine Bioassessments	2008	L	1.213
VAT-C08E_BBY01B10 / Broad Bay - UTs W. Shore [Admin Cond] / East of Lynnhaven River. Located adjacent to Broad Bay Colony area. UTs along W. Shore of Broad Bay [Admin Cond]. CBP segment LYNPH. BIBI segment LYNPHa. DSS (Admin Cond) shellfish condemnation # 071-095 D, F, G (effective 20160211).	5A	Estuarine Bioassessments	2008	L	0.039
VAT-C08E_CRY01A00 / Crystal Lake / Includes Rainey Gut. Located in North Linkhorn Park area in Virginia Beach. East of Lynnhaven River. CBP segment LYNPH. DSS ADMIN condemnation # 071-010 B (effective 20160211).	5A	Estuarine Bioassessments	2008	L	0.128
VAT-C08E_DEY01A00 / Dey Cove/Mill Dam Creek- Upper / Tributary on western shore of Broad Bay near Great Neck Area in VB. East of Lynnhaven River. CBP segment LYNPH BIBI segment LYNPHa. DSS condemnation # 071-095 E (effective 20160211).	5A	Estuarine Bioassessments	2008	L	0.075
VAT-C08E_DEY02A18 / Dey Cove/Mill Dam Creek- Mouth / Located attached to west shore of Broad Bay Colony area of VB. East of Lynnhaven River. CBP segment LYNPH BIBI segment LYNPHa. DSS condemnation # 071-095 E (effective 20160211).	5A	Estuarine Bioassessments	2008	L	0.020
VAT-C08E_EBL01A06 / Eastern Branch - Upper, Lynnhaven River / From end of London Br. Cr. (Rt 58 crossing) downstream to Smith Point. CBP segment LYNPH. BIBI segment LYNPHa. Portion of DSS ADMIN condemnation # 070-025 A (effective 20160218).	5A	Estuarine Bioassessments	2008	L	0.226
VAT-C08E_EBL01B10 / Eastern Branch - Lower Upper, Lynnhaven River / From Smith Point downstream to Sandy point. CBP segment LYNPH. BIBI segment LYNPHa. Portion of DSS condemnation # 070-025 A (effective 20160218).	5A	Estuarine Bioassessments	2008	L	0.263
VAT-C08E_EBL02A08 / Eastern Branch - Lower, Lynnhaven River / From Mapps Point to the eastern shore embayment near Forest Hills. CBP segment LYNPH. Portion of DSS condemnation # 070-025 A (effective 20160218).	5A	Estuarine Bioassessments	2008	L	0.385
VAT-C08E_LKN01A00 / Linkhorn Bay - Upper / South of Linkhorn Estates area of VB upstream to Laskin Rd (58). East of Lynnhaven River. CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish ADMIN harvesting condemnation # 071-010 A (effective 20160211).	5A	Estuarine Bioassessments	2008	L	0.103
VAT-C08E_LKN01B14 / Linkhorn Bay - Upper / Located adjacent to	5A	Estuarine Bioassessments	2008	L	0.040

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

Alexander Estates area of VB. East of Lynnhaven River. CBP segment LYNPH. BIBI segment LYNPHa OPEN. DSS shellfish direct harvesting condemnation # 071-010 (effective 20160211).

VAT-C08E_LKN02A10 / Linkhorn Bay - Lower / Located adjacent to 5A Linkhorn Estates area of VB upstream to Alanton at The Narrows. East of Lynnhaven River. CBP segment LYNPH. BIBI segment LYNPHa. DSS OPEN shellfish direct harvesting area # 071-010 (effective 20160211).	Estuarine Bioassessments	2008	L	0.581
VAT-C08E_LKN02B10 / Linkhorn Bay - Coves [Admin Condem] / 5A Embayments adjacent to LKN02A10. East of Lynnhaven River. CBP segment LYNPH. BIBI segment LYNPHa. DSS [Admin Cond] shellfish direct harvesting condemnation # 071-010 C,D,E,F,G,H, I,J,K,L, M (effective 20160211).	Estuarine Bioassessments	2008	L	0.223
VAT-C08E_LNC01A00 / Little Neck Creek - Upper / Eastern shore 5A tributary of Linkhorn Bay, near Laskin Road and south of Linkhorn Park. Portion of CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish direct harvesting ADMIN condemnation # 071-227 A (effective 20160211).	Estuarine Bioassessments	2008	L	0.078
VAT-C08E_LNC01B16 / Little Neck Creek-Lower / Eastern shore 5A tributary of Linkhorn Bay, near Bay Colony. Portion of CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish direct harvesting condemnation # 071-227 A (effective 20160211).	Estuarine Bioassessments	2008	L	0.035
VAT-C08E_LNC02A12 / Little Neck Creek-Lower / Eastern shore 5A tributary of Linkhorn Bay, near Bay Colony. Portion of CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish direct harvesting Seasonal & OPEN condemnation # 071-227 M1 (effective 20160211).	Estuarine Bioassessments	2008	L	0.155
VAT-C08E_LNC02B12 / Little Neck Creek-Lower (DSS ADMIN) / 5A Embayments adjacent to Little Neck Creek. Eastern shore tributary of Linkhorn Bay, near Bay Colony. Portion of CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish direct harvesting ADMIN condemnation # 071-227 B,C,D,E,F,G,H (effective 20160211).	Estuarine Bioassessments	2008	L	0.072
VAT-C08E_LOB01A00 / London Bridge Creek / Entirety of creek, 5A from headwaters near Shipps Corner downstream to Rt. 58 crossing. CBP segment LYNPH. BIBI segment LYNPHa. ADMIN DSS # 070-025 A (effective 20160218).	Estuarine Bioassessments	2008	L	0.059
VAT-C08E_LON01A00 / Long Creek / Northern shore tributary of 5A Broad Bay, near Bay Island area. Portion of CBP segment LYNPH. BIBI segment LYNPHa. DSS (ADMIN) shellfish direct harvesting condemnation # 071-095 A,B,C, I (effective 20160211).	Estuarine Bioassessments	2008	L	0.316
VAT-C08E_LYN01A06 / Lynnhaven River & Bay - Mainstem / 5A Tributary to south shore of Chesapeake Bay. Mainstem area near mouth. CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish direct harvesting condemnation # 070-025 C1 Conditionally Condemned (effective 20160218).	Estuarine Bioassessments	2008	L	0.982
VAT-C08E_LYN01B10 / Lynnhaven River & Bay Coves [Admin 5A Cond] / Embayments of LYN01A06 [DSS Admin Cond]. Tributary to south shore of Chesapeake Bay. CBP segment LYNPH. BIBI segment LYNPHa. DSS ADMIN shellfish harvesting condemnation # 070-025 (A-M) (effective 20160218) .	Estuarine Bioassessments	2008	L	0.557
VAT-C08E_LYN01C12 / Lynnhaven River & Bay - DSS Cond / 5A Tributary to south shore of Chesapeake Bay. Mainstem area. Segments near Mouth of Pleasure House and Brocks Cove. CBP segment LYNPH. DSS shellfish direct harvesting condemn # 070-025 A & M (effective 20160218) .	Estuarine Bioassessments	2008	L	0.198

# Fact Sheets for Impaired (Category 4 or 5) Waters in 2018

## Chesapeake Bay/Atlantic/Small Coastal Basins

VAT-C08E_THA01A02 / Thalia Creek, Thurston Branch & Buchanan Creek / Beginning of Thalia Creek (incl. Thurston Br & Buchanan Cr) from headwaters downstream to Western Br. Lynnhaven R. CBP segment LYNPH. BIBI segment LYNPHa. DSS ADMIN condemnation # 070-025 H (effective 20160218).	5A	Estuarine Bioassessments	2008	L	0.286
VAT-C08E_WES01A06 / Western Branch - Upper, Lynnhaven River / From the end of Thurston Branch downstream to Hebden Cove. CBP segment LYNPH. BIBI segment LYNPHa. Portion of ADMIN DSS shellfish direct harvesting condemnation #070-025 H (effective 20160218).	5A	Estuarine Bioassessments	2008	L	0.151
VAT-C08E_WES01B16 / Western Branch - Middle, Lynnhaven River / From Witch Duck Bay to Witchduck Point. CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish ADMIN condemnation #070-025 H (effective 20160218).	5A	Estuarine Bioassessments	2008	L	0.174
VAT-C08E_WES02A06 / Western Branch - Middle, Lynnhaven River / From Bayville Cr to Thoroughgood Cove. CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish direct harvesting condemnation #070-025 H (effective 20160218).	5A	Estuarine Bioassessments	2008	L	0.156
VAT-C08E_WES03A10 / Western Branch - Lower, Lynnhaven River / From Bayville Creek downstream to confluence with mainstem. CBP segment LYNPH. BIBI segment LYNPHa. DSS Conditionally Condemned shellfish condemnation #070-025 C1 (effective 20160218).	5A	Estuarine Bioassessments	2008	L	0.170
VAT-C08E_WNC01A00 / West Neck Creek (Upper) to London Bridge Creek / From Princess Anne Rd. crossing downstream to junction with London Bridge Cr. at Shipps Corner area. Segment determined to drain to C08E (Lynnhaven River). CBP segment LYNPH. BIBI segment LYNPHa.	5A	Estuarine Bioassessments	2008	L	0.084
VAT-C08E_ZZZ01A00 / Unsegmented tidal tributaries in C08E-LYNPH / Tidal tributaries to Eastern and Western Branch Lynnhaven River. Portion of CBP segment LYNPH. BIBI segment LYNPHa. Portions of DSS shellfish ADMIN condemnation # 070-025 A & H(effective 20160218).	5A	Estuarine Bioassessments	2008	L	0.959
VAT-C08E_ZZZ01B10 / Unsegmented tidal tributary to Lynnhaven R. & Linkhorn Bay / Unsegmented tidal tributaries to Lynnhaven R. & Linkhorn Bay. CBP segment LYNPH. No DSS category.	5A	Estuarine Bioassessments	2008	L	0.210

LYNPH

**Aquatic Life**

Estuarine Bioassessments - Total Impaired Size by Water Type:

Estuary  
(Sq. Miles)  
**7.936**

Reservoir  
(Acres)

River  
(Miles)

Sources:

Contaminated Sediments

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C08E-01-PCB

**Eastern Branch -Lynnhaven River System VDH Fish Consumption  
Advisory**

Cause Location: This cause encompasses the Eastern Branch of the Lynnhaven River System and Chesapeake Bay Beaches.

City / County: Norfolk City                      Virginia Beach City

Use(s): Fish Consumption

Cause(s) / VA Category: PCB in Fish Tissue / 5A

The Fish Consumption Use is impaired based on the VDH fish consumption advisory for Chesapeake Bay and tidal tributaries for PCBs issued 12/13/04 and updated 10/07/2009.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_CBB01A06 / 13th View Beach / Located along Chesapeake Bay, in Norfolk. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	5A	PCB in Fish Tissue	2006	L	0.353
VAT-C08E_CBB01B14 / Sara Constance Park and Ocean View Park Beaches / Located along Chesapeake Bay, in Norfolk. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	5A	PCB in Fish Tissue	2006	L	0.140
VAT-C08E_CBB01C16 / 10th View Beach / Located along Chesapeake Bay, in cities of Norfolk and Virginia Beach. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	5A	PCB in Fish Tissue	2006	L	0.152
VAT-C08E_CBB02A16 / Ches Bay Beaches / Located along Chesapeake Bay, in cities of Norfolk and Virginia Beach. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	5A	PCB in Fish Tissue	2006	L	0.675
VAT-C08E_CBB03A16 / Chicks Beach / Located along Chesapeake Bay near Chesapeake Bay Bridge Tunnel, in cities of Norfolk and Virginia Beach. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	5A	PCB in Fish Tissue	2006	L	0.433
VAT-C08E_CBB04A16 / Shore Drive Beaches -East / Located along Chesapeake Bay, Virginia Beach. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	5A	PCB in Fish Tissue	2006	L	1.041
VAT-C08E_EBL01A06 / Eastern Branch - Upper, Lynnhaven River / From end of London Br. Cr. (Rt 58 crossing) downstream to Smith Point. CBP segment LYNPH. BIBI segment LYNPHa. Portion of DSS ADMIN condemnation # 070-025 A (effective 20160218).	5A	PCB in Fish Tissue	2006	L	0.226
VAT-C08E_EBL01B10 / Eastern Branch - Lower Upper, Lynnhaven River / From Smith Point downstream to Sandy point. CBP segment LYNPH. BIBI segment LYNPHa. Portion of DSS condemnation # 070-025 A (effective 20160218).	5A	PCB in Fish Tissue	2006	L	0.263
VAT-C08E_EBL02A08 / Eastern Branch - Lower, Lynnhaven River / From Mapps Point to the eastern shore embayment near Forest Hills. CBP segment LYNPH. Portion of DSS condemnation # 070-025 A (effective 20160218).	5A	PCB in Fish Tissue	2006	L	0.385
VAT-C08E_LKN01A00 / Linkhorn Bay - Upper / South of Linkhorn Estates area of VB upstream to Laskin Rd (58). East of Lynnhaven River. CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish ADMIN harvesting condemnation # 071-010 A (effective 20160211).	5A	PCB in Fish Tissue	2006	L	0.103

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

VAT-C08E\_LKN01B14 / Linkhorn Bay - Upper / Located adjacent to iA PCB in Fish Tissue 2006 L 0.040  
 Alexander Estates area of VB. East of Lynnhaven River. CBP segment  
 LYNPH. BIBI segment LYNPHa OPEN. DSS shellfish direct harvesting  
 condemnation # 071-010 (effective 20160211).

Eastern Branch -Lynnhaven River System VDH Fish Consumption Advisory	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Fish Consumption</b>			
PCB in Fish Tissue - Total Impaired Size by Water Type:	<b>3.810</b>		

### Sources:

Source Unknown



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C08E-03-BAC

**Thalia Creek, Thurston Branch & Buchanan Creek**

Cause Location: This cause encompasses the beginning of Thalia Creek (incl. Thurston Br & Buchanan Cr) from headwaters downstream to Western Br. Lynnhaven R. CBP segment LYNPH. BIBI segment LYNPHa. DSS condemnation # 070-036 A (effective 20120518).

City / County: Virginia Beach City

Use(s): Recreation

Cause(s) / VA Category: Enterococcus / 4A

The Recreation Use is impaired due to exceedance at station 7-THA000.76 (27 violates / 35 obs.) of the criteria for Enterococcus bacteria.

A TMDL for Shellfishing Use has been completed and EPA approved in 2004 (25408, VAT-C08E-07) which includes the Recreation Use under TMDL ID VAT-C08E-03. NESTED: 25408, 3/22/2004.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_THA01A02 / Thalia Creek, Thurston Branch & Buchanan Creek / Beginning of Thalia Creek (incl. Thurston Br & Buchanan Cr) from headwaters downstream to Western Br. Lynnhaven R. CBP segment LYNPH. BIBI segment LYNPHa. DSS ADMIN condemnation # 070-025 H (effective 20160218).	4A Enterococcus	2006	L	0.286
Thalia Creek, Thurston Branch & Buchanan Creek		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Recreation	Enterococcus - Total Impaired Size by Water Type:	0.286		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C08E-04-BAC

**Western Branch - Upper, Lynnhaven River**

Cause Location: This cause encompasses from the headwaters downstream to Witch Duck Point. Portion of CBP segment LYNPH.

City / County: Virginia Beach City

Use(s): Recreation

Cause(s) / VA Category: Enterococcus / 4A

The Recreation Use is impaired with 5 viol / 30 obs at station 7-WES002.58 of the criteria for Enterococcus bacteria. Previously (2006 IR) User Flag ID as VAT-C08E-04.

A TMDL for Shellfishing Use has been completed and EPA approved in 2004 (VAT-C08E-07-SF) which includes the Recreation Use under TMDL ID VAT-C08E-04.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_WES01A06 / Western Branch - Upper, Lynnhaven River 4A / From the end of Thurston Branch downstream to Hebden Cove. CBP segment LYNPH. BIBI segment LYNPHa. Portion of ADMIN DSS shellfish direct harvesting condemnation #070-025 H (effective 20160218).	Enterococcus	2006	L	0.151
Western Branch - Upper, Lynnhaven River		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>	Enterococcus - Total Impaired Size by Water Type:	<b>0.151</b>		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C08E-05-BAC

**London Bridge Creek**

Cause Location: This cause encompasses entirety of creek, from headwaters near Shipps Corner downstream to Rt. 58 crossing.

City / County: Virginia Beach City

Use(s): Recreation

Cause(s) / VA Category: Enterococcus / 4A

The Recreation Use is impaired due to exceedance at station 7-LOB001.79 (23 violates / 33 obs.) of the criteria for Enterococcus bacteria. Previously (2006 IR) User Flag ID as VAT-C08E-05.

A TMDL for Fecal Coliform bacteria has been completed and EPA approved in 2005 (24490) which includes the Recreation Use under TMDL ID VAT-C08E-05.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_LOB01A00 / London Bridge Creek / Entirety of creek, from headwaters near Shipps Corner downstream to Rt. 58 crossing. CBP segment LYNPH. BIBI segment LYNPHa. ADMIN DSS # 070-025 A (effective 20160218).	4A	Enterococcus	2006	L	0.059
London Bridge Creek			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Recreation		Enterococcus - Total Impaired Size by Water Type:	0.059		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C08E-06-BAC

**Eastern Branch - Upper, Lynnhaven River**

Cause Location: This cause encompasses the area from end of London Br. Cr. (Rt. 58 crossing) downstream to Smith Point. CBP segment LYNPH. BIBI segment LYNPHa. Portion of DSS ADMIN condemnation # 070-025 A (effective 20160218).

City / County: Virginia Beach City

Use(s): Recreation

Cause(s) / VA Category: Enterococcus / 4A

The Recreation Use is impaired based on Enterococcus data collected from station 7-EBL002.54 with 3 viol / 26 obs. This segment was partially delisted in 2016 for Enterococci (2 viol/ 23 obs) and was initially listed in 2004 for Recreation Use Impairment - C08E-06-BAC and will again be listed in the 2018 IR.

A TMDL for Shellfishing Use is EPA approved in 2004 (VAT-C08E-13) which includes the Recreation Use under TMDL ID VAT-C08E-06. Impairment is 4A.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_EBL01A06 / Eastern Branch - Upper, Lynnhaven River / 4A From end of London Br. Cr. (Rt 58 crossing) downstream to Smith Point. CBP segment LYNPH. BIBI segment LYNPHa. Portion of DSS ADMIN condemnation # 070-025 A (effective 20160218).	Enterococcus		2006	L	0.226
Eastern Branch - Upper, Lynnhaven River			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>	Enterococcus - Total Impaired Size by Water Type:		<b>0.226</b>		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C08E-07-BAC

**West Neck Creek (Upper) & Canal #2**

**Cause Location:** This cause encompasses the area from Princess Anne Rd. crossing downstream to junction with London Bridge Creek at Shipps Corner area. Segment has been determined by USGS to drain to C08E (Lynnhaven River). Portion of CBP segment LYNPH. No DSS shellfish direct harvesting condemnation

**City / County:** Virginia Beach City

**Use(s):** Recreation

**Cause(s) / VA Category:** Enterococcus / 4A

The Recreation Use is impaired based on station 5BWNC010.02 (21 violates / 34 obs.) of the criteria for Enterococcus bacteria. Previously (2006 IR) User Flag ID as VAT-C08E-07. A TMDL for Fecal Coliform bacteria has been completed and EPA approved in 2005 (VAT-C08E-07) which includes the Recreation Use under TMDL ID VAT-C08E-07.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_WNC01A00 / West Neck Creek (Upper) to London Bridge Creek / From Princess Anne Rd. crossing downstream to junction with London Bridge Cr. at Shipps Corner area. Segment determined to drain to C08E (Lynnhaven River). CBP segment LYNPH. BIBI segment LYNPha.	4A	Enterococcus	1998	L	0.084
VAT-C08E_XBO01A00 / Canal No. 2 / Man-Made tributary to London Bridge Creek. Entire length of Canal No. 2. Portion of CBP segment LYNPH.	4A	Enterococcus	1998	L	0.040
West Neck Creek (Upper) & Canal #2			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Recreation					
Enterococcus - Total Impaired Size by Water Type:			0.124		

**Sources:**

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C08E-10-SF

**Dey Cove/Mill Dam Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 071-095 (effective 20160218).

City / County: Virginia Beach City

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is not supporting due to DSS shellfish direct harvesting condemnation # 071-095 (effective 20160218).  
TMDL completed and EPA approved (3/22/2004) which included VAT-C08E-10.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_DEY01A00 / Dey Cove/Mill Dam Creek- Upper / Tributary on western shore of Broad Bay near Great Neck Area in VB. East of Lynnhaven River. CBP segment LYNPH BIBI segment LYNPHa. DSS condemnation # 071-095 E (effective 20160211).	4A	Fecal Coliform	1998	L	0.075
Dey Cove/Mill Dam Creek			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing		Fecal Coliform - Total Impaired Size by Water Type:	0.075		

### Sources:

Discharges from Municipal  
Separate Storm Sewer  
Systems (MS4)

Municipal (Urbanized High  
Density Area)

Natural Sources

Non-Point Source

On-site Treatment Systems  
(Septic Systems and  
Similar Decentralized  
Systems)

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C08E-13-SF

**Lynnhaven River System**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 070-025 A, 2/18/2018.

City / County: Virginia Beach City

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is impaired based on DSS # 070-025 A (effective 20180218). Previously (2006 IR) User Flag ID as VAT-C08E-13. A TMDL for Shellfishing Use has been completed and EPA approved (VAT-C08E-13) in 2004 which includes VAT-C08E-13.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_EBL02A08 / Eastern Branch - Lower, Lynnhaven River / From Mapps Point to the eastern shore embayment near Forest Hills. CBP segment LYNPH. Portion of DSS condemnation # 070-025 A (effective 20160218).	4A	Fecal Coliform	1998	L	0.385
VAT-C08E_LYN01C12 / Lynnhaven River & Bay - DSS Cond / Tributary to south shore of Chesapeake Bay. Mainstem area. Segments near Mouth of Pleasure House and Brocks Cove. CBP segment LYNPH. DSS shellfish direct harvesting condemn # 070-025 A & M (effective 20160218) .	4A	Fecal Coliform	2012	L	0.198
VAT-C08E_WES02A06 / Western Branch - Middle, Lynnhaven River / From Bayville Cr to Thoroughgood Cove. CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish direct harvesting condemnation #070-025 H (effective 20160218).	4A	Fecal Coliform	1998	L	0.156
Lynnhaven River System			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing					
Fecal Coliform - Total Impaired Size by Water Type:			0.740		

### Sources:

Discharges from Municipal Separate Storm Sewer Systems (MS4)	Municipal (Urbanized High Density Area)	Natural Sources	Non-Point Source
On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)	Source Unknown		

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C08E-14-BAC

**Sara Constance Park, East End**

**Cause Location:** This cause encompasses the area located along Chesapeake Bay, in Norfolk. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.

**City / County:** Norfolk City

Virginia Beach City

**Use(s):** Recreation

**Cause(s) / VA Category:** Enterococcus / 5A

The Recreation Use is impaired based on data from the VDH Beach Monitoring Program geometric mean violation, swimming advisories and joint VDH-DEQ assessment review at Sara Constance Park VDH station VA742733 and Ocean View Park Beach station VA509547. Stations exceeds the monthly geometric mean in 9/2014 (1 viol / 25 mos geomean obs). Tidewater beaches experienced a wide spread precipitation event on Sept 8 with a total of 5 inches of rainfall. Since the event is within the last two years of the assessment period, the beach will be listed in the 2016 IR as impaired.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_CBB01B14 / Sara Constance Park and Ocean View Park 5A Beaches / Located along Chesapeake Bay, in Norfolk. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	Enterococcus	2014	M	0.140
Sara Constance Park, East End		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>	Enterococcus - Total Impaired Size by Water Type:	<b>0.140</b>		

**Sources:**

Source Unknown



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C08E-15-BAC

**13th View Beach**

Cause Location: This cause encompasses the area along Chesapeake Bay, in Norfolk. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.

City / County: Norfolk City

Virginia Beach City

Use(s): Recreation

Cause(s) / VA Category: Enterococcus / 5A

The Recreation Use is impaired in the 2016 IR based on Enterococcus bacteria data from the VDH-Beach station VA845980 (1 viol. / 24 Geo-mean obs.) along with multiple swimming advisories between the years 2009-2014. The Monthly Geometric Mean violation occurred in July 2013 with no storm event to associate with the exceedance therefore 13th View Beach is newly listed as impaired in the 2016 IR.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_CBB01A06 / 13th View Beach / Located along Chesapeake Bay, in Norfolk. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	5A Enterococcus	2016	L	0.353
13th View Beach		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>	Enterococcus - Total Impaired Size by Water Type:	<b>0.353</b>		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C08E-16-BAC

**Chicks Beach**

**Cause Location:** This cause encompasses the area along Chesapeake Bay near Chesapeake Bay Bridge Tunnel, in cities of Norfolk and Virginia Beach. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.

**City / County:** Norfolk City

Virginia Beach City

**Use(s):** Recreation

**Cause(s) / VA Category:** Enterococcus / 5A

The Recreation Use is not supported based on data from the VDH Beach Monitoring Program and joint VDH-DEQ assessment review at Chicks Beach Station VA718451. There is 1 geo mean viol in Sept of 2014 out of 25 obs within the 2016 IR. This is a new impairment for Chicks Beach. Tidewater beaches experienced a wide spread precipitation event on Sept 8 with a total of 5 inches of rainfall. Since the event is within the last two years of the assessment period, the beach will be listed in the 2016 IR as impaired.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_CBB03A16 / Chicks Beach / Located along Chesapeake Bay near Chesapeake Bay Bridge Tunnel, in cities of Norfolk and Virginia Beach. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	5A Enterococcus	2016	L	0.433
Chicks Beach		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>				
Enterococcus - Total Impaired Size by Water Type:		<b>0.433</b>		

**Sources:**

Wet Weather Discharges  
(Non-Point Source)

Wet Weather Discharges  
(Point Source and  
Combination of Stormwater,  
SSO or CSO)

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **C08E-18-SF**

**Little Neck Creek-Lower [Condemned SF]**

Cause Location: This cause encompasses the eastern shore tributary of Linkhorn Bay, near Bay Colony. Portion of CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish direct harvesting condemnation # 071-010 A (effective 20160211).

City / County: Virginia Beach City

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfish Use is impaired based on the Condemnation 071-227 A effective 20160211. Newly listed as impaired in the 2016 IR. Previously the use was supported with old DSS shellfish direct harvesting condemnation # 071-010 H (effective 20130412).

This is a new Cause Group Code and AU however this segment of Little Neck Creek was included in the EPA approved TMDL . Previously (2006 IR) listed as TMDL-ID: VAT-C08E-11.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_LNC01B16 / Little Neck Creek-Lower / Eastern shore tributary of Linkhorn Bay, near Bay Colony. Portion of CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish direct harvesting condemnation # 071-227 A (effective 20160211).	4A	Fecal Coliform	2016	L	0.035
Little Neck Creek-Lower [Condemned SF]			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>		Fecal Coliform - Total Impaired Size by Water Type:	<b>0.035</b>		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C08L-01-CHLA      **Lake Whitehurst**

**Cause Location:** This cause encompasses the entirety of Lake Whitehurst, from Rt. 60 south to the border of Norfolk Intl Airport. City of Norfolk PWS.

**City / County:** Norfolk City

**Use(s):** Aquatic Life

**Cause(s) / VA Category:** Chlorophyll-a / 5A

Aquatic Life Use is impaired for nutrients. 2016 Lake Whitehurst pooled nutrient results: 1 viol/ 1 obs Chla & TP 2011 (IM). The 2008 second year of nutrients data dropped out of the assessment window. 2014 Lake Whitehurst pooled nutrient results: 2 viol / 2 obs Chla & TP 2008, 2011 (IM).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08L_LAW01A08 / Lake Whitehurst (PWS) / Located south of 5A Little Creek Harbor. From Rt. 60 south to border of Norfolk Intl Airport. Overflow is downstream to Little Creek Cove/Harbor. City of Norfolk PWS.	Chlorophyll-a		2010	L	482.28
Lake Whitehurst			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>					
Chlorophyll-a - Total Impaired Size by Water Type:				<b>482.28</b>	

**Sources:**

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C08L-01-DO

**Lake Whitehurst**

**Cause Location:** This cause encompasses the entirety of Lake Whitehurst, from Rt. 60 south to the border of Norfolk Intl Airport. City of Norfolk PWS.

**City / County:** Norfolk City

**Use(s):** Aquatic Life

**Cause(s) / VA Category:** Oxygen, Dissolved / 5A

Aquatic Life Use is impaired for DO. The Aquatic Life Use impairment is retained for 2018. Most of the data dropped off this assessment cycle. The pooled dissolved oxygen concentration measurements (3 violates / 30 obs.) below the minimum criteria (4.0 mg/L) reported from the pooled data at all monitoring lake stations sampled during the current cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08L_LAW01A08 / Lake Whitehurst (PWS) / Located south of 5A Little Creek Harbor. From Rt. 60 south to border of Norfolk Intl Airport. Overflow is downstream to Little Creek Cove/Harbor. City of Norfolk PWS.	Oxygen, Dissolved	2008	L	482.28
Lake Whitehurst		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>	Oxygen, Dissolved - Total Impaired Size by Water Type:		<b>482.28</b>	

**Sources:**

Residential Districts

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C08L-01-HG

**Lake Whitehurst**

**Cause Location:** This cause encompasses the entirety of Lake Whitehurst, from Rt. 60 south to the border of Norfolk Intl Airport. City of Norfolk PWS.

**City / County:** Norfolk City

**Use(s):** Fish Consumption

**Cause(s) / VA Category:** Mercury in Fish Tissue / 5A

The Fish Consumption Use is impaired based on the VDH fish consumption advisory for Mercury for Lake Whitehurst issued 12/13/04. DEQ (CORE) monitoring at 7-LAW001.00 for fish tissue results have an observed effect for Hg.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08L_LAW01A08 / Lake Whitehurst (PWS) / Located south of 5A Little Creek Harbor. From Rt. 60 south to border of Norfolk Intl Airport. Overflow is downstream to Little Creek Cove/Harbor. City of Norfolk PWS.	Mercury in Fish Tissue	2008	L	482.28
Lake Whitehurst		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Fish Consumption</b>				
Mercury in Fish Tissue - Total Impaired Size by Water Type:			<b>482.28</b>	

**Sources:**

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C08L-01-PCB

**Lake Whitehurst VDH Fish Consumption Advisory**

**Cause Location:** This cause encompasses the entirety of Lake Whitehurst, from Rt. 60 south to the border of Norfolk Intl Airport. City of Norfolk PWS.

**City / County:** Norfolk City

**Use(s):** Fish Consumption

**Cause(s) / VA Category:** PCB in Fish Tissue / 5A

The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs for Lake Whitehurst issued 12/13/04 modified 10/7/09. DEQ (CORE) monitoring at 7-LAW001.00 for fish tissue results exceeded DEQ-SV for PCBs.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08L_LAW01A08 / Lake Whitehurst (PWS) / Located south of 5A Little Creek Harbor. From Rt. 60 south to border of Norfolk Intl Airport. Overflow is downstream to Little Creek Cove/Harbor. City of Norfolk PWS.	PCB in Fish Tissue	2006	L	482.28
Lake Whitehurst VDH Fish Consumption Advisory		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Fish Consumption</b>				
PCB in Fish Tissue - Total Impaired Size by Water Type:			<b>482.28</b>	

**Sources:**

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C08L-01-TP

**Lake Whitehurst**

**Cause Location:** This cause encompasses the entirety of Lake Whitehurst, from Rt. 60 south to the border of Norfolk Intl Airport. City of Norfolk PWS.

**City / County:** Norfolk City

**Use(s):** Aquatic Life

**Cause(s) / VA Category:** Phosphorus (Total) / 5A

Aquatic Life Use is impaired for nutrients. Impairment is retained for Lake Whitehurst pooled nutrient results: 1 viol/ 1 obs Chla & TP 2011 (IM). The 2008 second year of nutrients data dropped out of the assessment window. Previously in 2014 Lake Whitehurst pooled nutrient results: 2 viol / 2 obs Chla & TP 2008, 2011 (IM). Nutrients Impaired- Both Chla & TP assessed since algaecide was applied during monitoring year.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08L_LAW01A08 / Lake Whitehurst (PWS) / Located south of 5A Little Creek Harbor. From Rt. 60 south to border of Norfolk Intl Airport. Overflow is downstream to Little Creek Cove/Harbor. City of Norfolk PWS.	Phosphorus (Total)	2010	L	482.28
Lake Whitehurst		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life	Phosphorus (Total) - Total Impaired Size by Water Type:		482.28	

**Sources:**

Source Unknown



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C08L-03-CHLA      **Little Creek Reservoir**

**Cause Location:** This cause encompasses the upper portion of the lake, beginning at Rt. 13 (RM 1.0) downstream to north, ends at lake terminus @ route 60 (RM 0.0). City of Norfolk PWS.

**City / County:** Virginia Beach City

**Use(s):** Aquatic Life

**Cause(s) / VA Category:** Chlorophyll-a / 5A

Little Creek is also impaired for nutrients. Both Chla and TP do not support ALUS. Little Creek Reservoir pooled nutrients results: 2 viol / 2 obs Chla & TP 2014, 2011 (IM); Both TP and Chla assessed since algaecide was applied during the monitoring year.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08L_LTR01A08 / Little Creek Reservoir - (PWS) / Located south of Little Creek Amphibious Base. Segment begins at upper portion of lake, begins at Rt 13 (RM 1.0) downstream to north, ends at lake terminus @ route 60 (RM 0.0). City of Norfolk PWS.	5A	Chlorophyll-a	2010	L	199.79
Little Creek Reservoir			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>					
Chlorophyll-a - Total Impaired Size by Water Type:				<b>199.79</b>	

**Sources:**

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **C08L-03-PCB**

**Little Creek Reservoir VDH Fish Consumption Advisory**

**Cause Location:** This cause encompasses the upper portion of the lake, beginning at Rt. 13 (RM 1.0) downstream to north, ends at lake terminus @ route 60 (RM 0.0). City of Norfolk PWS.

**City / County:** Virginia Beach City

**Use(s):** Fish Consumption

**Cause(s) / VA Category:** PCB in Fish Tissue / 5A

The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs for Little Creek Reservoir issued 12/13/04.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08L_LTR01A08 / Little Creek Reservoir - (PWS) / Located south of Little Creek Amphibious Base. Segment begins at upper portion of lake, begins at Rt 13 (RM 1.0) downstream to north, ends at lake terminus @ route 60 (RM 0.0). City of Norfolk PWS.	5A	PCB in Fish Tissue	2008	L	199.79
Little Creek Reservoir VDH Fish Consumption Advisory			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Fish Consumption</b>					
PCB in Fish Tissue - Total Impaired Size by Water Type:				<b>199.79</b>	

**Sources:**

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C08L-03-TP

**Little Creek Reservoir**

**Cause Location:** This cause encompasses the upper portion of the lake, beginning at Rt. 13 (RM 1.0) downstream to north, ends at lake terminus @ route 60 (RM 0.0). City of Norfolk PWS.

**City / County:** Virginia Beach City

**Use(s):** Aquatic Life

**Cause(s) / VA Category:** Phosphorus (Total) / 5A

Little Creek is also impaired for nutrients. Both Chla and TP do not support ALUS. Little Creek Reservoir pooled nutrients results: 2 viol / 2 obs Chla & TP 2014, 2011 (IM); Both TP and Chla assessed since algaecide was applied during the monitoring year.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08L_LTR01A08 / Little Creek Reservoir - (PWS) / Located south of Little Creek Amphibious Base. Segment begins at upper portion of lake, begins at Rt 13 (RM 1.0) downstream to north, ends at lake terminus @ route 60 (RM 0.0). City of Norfolk PWS.	5A	Phosphorus (Total)	2010	L	199.79
Little Creek Reservoir			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>		Phosphorus (Total) - Total Impaired Size by Water Type:		<b>199.79</b>	

**Sources:**

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C08L-04-CHLA      **Lake Smith**

Cause Location: This cause encompasses the entirety of Lake Smith. City of Norfolk PWS.

City / County: Norfolk City      Virginia Beach City

Use(s): Aquatic Life

Cause(s) / VA Category: Chlorophyll-a / 5A

Aquatic Life Use is impaired for nutrients. Lake Smith pooled nutrients results: 1 viol/ 1 obs Chla & TP (2011). Nutrients Impaired-Both TP and Chla assessed since algaecide was applied during monitoring year. Maintain impairment from 2014  
Lake Smith pooled nutrients results: 2 viol / 2 obs Chla & TP (2008, 2011).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08L_LAS01A08 / Lake Smith (PWS) / East of Norfolk Municipal Airport, south of Little Creek Reservoir. City of Norfolk PWS.	5A	Chlorophyll-a	2010	L	184.89
Lake Smith			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>					
Chlorophyll-a - Total Impaired Size by Water Type:				<b>184.89</b>	

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C08L-04-DO

**Lake Smith**

Cause Location: This cause encompasses the entirety of Lake Smith. City of Norfolk PWS.

City / County: Norfolk City

Virginia Beach City

Use(s): Aquatic Life

Cause(s) / VA Category: Oxygen, Dissolved / 5A

The Aquatic Life Use is impaired due to dissolved oxygen concentration measurements below the minimum criteria (4.0 mg/L). Pooled stations include 7-LAS00.06, 7-LAS001.03, and SM1. Lake Smith's pooled DO violation rate is  $1/42 = 2.4\%$ . However, impairment is retained for DO since both 2008 and 2011 data was used to list lake. Now the 2008 data is dropped outside of the assessment window and 2011 remains. Need additional data to make delist. Individual station exceedances for DO include 7-LAS00.06 (0/14), 7-LAS001.03 (0/12), SM1 no DO data. Pooled pH data supported use with a lake violation rate of 0/37.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08L_LAS01A08 / Lake Smith (PWS) / East of Norfolk Municipal Airport, south of Little Creek Reservoir. City of Norfolk PWS.	5A	Oxygen, Dissolved	2002	L	184.89
Lake Smith			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>		Oxygen, Dissolved - Total Impaired Size by Water Type:		<b>184.89</b>	

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C08L-04-TP

**Lake Smith**

Cause Location: This cause encompasses the entirety of Lake Smith. City of Norfolk PWS.

City / County: Norfolk City

Virginia Beach City

Use(s): Aquatic Life

Cause(s) / VA Category: Phosphorus (Total) / 5A

Aquatic Life Use is impaired for nutrients. 6 Lake Smith pooled nutrients results: 1 viol/ 1 obs Chla & TP (2011) Nutrients Impaired-Both TP and Chla assessed since algaecide was applied during monitoring year. Previously in 2014 Lake Smith pooled nutrients results: 2 viol / 2 obs Chla & TP (2008, 2011).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08L_LAS01A08 / Lake Smith (PWS) / East of Norfolk Municipal Airport, south of Little Creek Reservoir. City of Norfolk PWS.	5A	Phosphorus (Total)	2010	L	184.89
Lake Smith			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>		Phosphorus (Total) - Total Impaired Size by Water Type:		<b>184.89</b>	

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C08L-06-HG

### **Lake Trashmore - Western Pond VDH Fish Consumption Advisory for Mercury**

**Cause Location:** This cause encompasses the entirety of Lake Trashmore - Western Pond. Includes western portion of dual ponds lake system, pond on eastern side of Mt. Trashmore is not included in VDH advisory.

**City / County:** Virginia Beach City

**Use(s):** Fish Consumption

**Cause(s) / VA Category:** Mercury in Fish Tissue / 5A

The Fish Consumption Use is impaired based on the VDH fish consumption advisory (Carp and Largemouth Bass) for mercury and PCBs fish tissue contamination (issued 9/30/04 for Hg, 12/13/04 for PCBs) and DEQ (CORE) monitoring at 7-MTL000.20 for fish tissue results exceeded DEQ-SV for Hg and PCBs. 08-IM, FT\_PCB Largemouth Bass, Perch, Carp, Gizzard Shad, Walleye; 08-IM, FT\_Met-Hg Largemouth Bass, Perch

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08L_MTL01A06 / Lake Trashmore - Western Pond / Headwaters area of Thalia Cr. to Eastern Br. Lynnhaven River. Includes Western portion of dual ponds lake system, pond on eastern side of Mt. Trashmore is not included in VDH advisory.	5A	Mercury in Fish Tissue	2006	L	54.39
Lake Trashmore - Western Pond VDH Fish Consumption Advisory for Mercury			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Fish Consumption</b>					
Mercury in Fish Tissue - Total Impaired Size by Water Type:				<b>54.39</b>	

**Sources:**

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C08L-06-PCB

**Lake Trashmore - Western Pond VDH Fish Consumption Advisory for PCBs**

**Cause Location:** This cause encompasses the entirety of Lake Trashmore - Western Pond. Includes western portion of dual ponds lake system, pond on eastern side of Mt. Trashmore is not included in VDH advisory.

**City / County:** Virginia Beach City

**Use(s):** Fish Consumption

**Cause(s) / VA Category:** PCB in Fish Tissue / 5A

The Fish Consumption Use is impaired based on the VDH fish consumption ban (for Carp) and advisory (for Yellow Perch) for PCBs fish tissue contamination issued 12/13/04. DEQ (CORE) monitoring at 7-LAW001.00 for fish tissue results exceeded DEQ-SV for Hg and PCBs. 08-IM, FT\_PCB Largemouth Bass, Perch, Carp, Gizzard Shad, Walleye; 08-IM, FT\_Met-Hg Largemouth Bass, Perch

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08L_MTL01A06 / Lake Trashmore - Western Pond / Headwaters area of Thalia Cr. to Eastern Br. Lynnhaven River. Includes Western portion of dual ponds lake system, pond on eastern side of Mt. Trashmore is not included in VDH advisory.	5A	PCB in Fish Tissue	2006	L	54.39
Lake Trashmore - Western Pond VDH Fish Consumption Advisory for PCBs			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Fish Consumption</b>					
PCB in Fish Tissue - Total Impaired Size by Water Type:				<b>54.39</b>	

**Sources:**

Source Unknown



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C08L-07-DO

**Lake Wright**

**Cause Location:** This cause encompasses the entirety of Lake Wright near South of Norfolk Intl. Airport, south of Rt. I-64 adjacent to USAA Office Park. Sampled by City of Norfolk as PWS.

**City / County:** Norfolk City

**Use(s):** Aquatic Life

**Cause(s) / VA Category:** Oxygen, Dissolved / 5A

The Aquatic Life Use is impairment is retained due to exceedance of the dissolved oxygen standard measurement below the minimum criteria (4.0 mg/L) from data outside assessment window. Station WRI sampled by City of Norfolk Department of Utilities had 5 viol / 21 obs in 2014 IR. No DO data.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08L_LAR01A06 / Lake Wright / South of Norfolk Intl. Airport, south of Rt I-64 adjacent to USAA Office Park. Sampled by City of Norfolk as PWS.	5A	Oxygen, Dissolved	2014	L	15.62
Lake Wright			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>					
Oxygen, Dissolved - Total Impaired Size by Water Type:				<b>15.62</b>	

**Sources:**

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C09E-01-BAC

**Bulbeggan Creek**

**Cause Location:** This cause encompasses from the estuarine/riverine transition (end of tidal waters) downstream to mouth (confluence with Pocomoke Sound). Portion of CBP segment POCOH.

**City / County:** Accomack Co.

**Use(s):** Recreation

**Cause(s) / VA Category:** Enterococcus / 4A

The Recreation Use is impaired due to exceedance of the instantaneous criteria for Enterococcus bacteria at station 7-BLB004.63 (retained outside of IR window - 5 violate / 12 obs.).  
Covered under TMDL VAT-C09E-SF (35957) EPA approved 4/15/2009.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C09E_BLB01A06 / Bulbeggan Creek / Located southeast of Pitts Neck area. From estuarine/riverine transition (end of tidal waters) downstream to mouth (confluence with Pocomoke Sound). Portion of CBP segment POCOH. Portion of DSS condemnation # 075-033 A (effective 20160711).	4A	Enterococcus	2004	L	0.134
Bulbeggan Creek			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Recreation					
Enterococcus - Total Impaired Size by Water Type:			0.134		

### Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C09E-01-SF

**Pitts Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 075-033 A (effective 20160711).

City / County: Accomack Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is impaired due to the portion of DSS condemnation # 075-033 A (effective 20160711) which is present.  
Covered under TMDL VAT-C09E-SF (35957) EPA approved 4/15/2009.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C09E_PTT01A06 / Pitts Creek / Located northeast of Pitts Neck area, along VA/MD border. From VA/MD state line downstream to mouth (confluence with Pocomoke River) within VA. Portion of CBP segment POCOH. Portion of DSS condemnation # 075-033 A (effective 20160711).	4A	Fecal Coliform	1998	L	0.127
VAT-C09E_PTT01B10 / Pitts Creek - Upper [Admin Cond] / Located northeast of Pitts Neck area, along VA/MD border. From VA/MD state line upstream to headwaters within VA at Dunns Swamp Road. Portion of CBP segment POCOH. Portion of DSS condemnation # 075-033 A (effective 20160711).	4A	Fecal Coliform	2018	L	0.069
Pitts Creek			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing					
Fecal Coliform - Total Impaired Size by Water Type:			<b>0.196</b>		

### Sources:

Source Unknown  
Wildlife Other than  
Waterfowl

Upstream Source

Wastes from Pets

Waterfowl

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C09E-02-BAC

**Pocomoke River**

**Cause Location:** This cause encompasses from the VA/MD state line downstream to mouth (confluence with Pocomoke Sound) within VA. Portion of CBP segment POCOH.

**City / County:** Accomack Co.

**Use(s):** Recreation

**Cause(s) / VA Category:** Enterococcus / 4A

The Recreation Use is impaired due to exceedance of the instantaneous criteria for Enterococcus bacteria at station 7-POC001.76 (6 violate / 14 obs.). Impairment is retained, last sampled in 2006. Shellfishing and Recreation Uses impairments are considered NESTED within TMDL (35957) EPA approved 4/15/2009.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C09E_POC01A06 / Pocomoke River / Located northeast of Pitts Neck area, along VA/MD border. From VA/MD state line downstream to mouth (confluence with Pocomoke Sound) within VA. Portion of CBP segment POCOH. Portion of DSS condemnation # 075-033 A (effective 20160711).	4A	Enterococcus	2006	L	0.240
Pocomoke River			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Recreation	Enterococcus - Total Impaired Size by Water Type:		0.240		

**Sources:**

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C09E-10-BAC

**Holdens Creek - Upper**

**Cause Location:** This cause encompasses the upper portion of Holdens Creek, from the confluence of Sandy Bottom Branch downstream to 0.5 mi downstream of station @ 7-HLD002.67. Portion of CBP segment POCOH.

**City / County:** Accomack Co.

**Use(s):** Recreation

**Cause(s) / VA Category:** Enterococcus / 4A

The Recreation Use is impaired due to exceedance of the instantaneous criteria for Enterococcus bacteria at station 7-HLD002.67 (26 violate / 35 obs.). Previous Use ID = VAT-C10E-01. Covered under TMDL 'Holdens Creek' (35648) VAT-C10E-04-SF EPA approved 11/7/2008.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10E_HLD01A06 / Holdens Creek - Upper / Located southeast of Joeys Neck area. From confluence Sandy Bottom Br downstream to 0.5 mi of station @ 7-HLD002.67. Portion of CBP segment POCOH. Portion of DSS condemnation # 075-033 A (effective 20160711).	4A	Enterococcus	1998	L	0.034

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Holdens Creek - Upper	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>			
Enterococcus - Total Impaired Size by Water Type:	<b>0.034</b>		

**Sources:**

Source Unknown

# Fact Sheets for Impaired (Category 4 or 5) Waters in 2018

## Chesapeake Bay/Atlantic/Small Coastal Basins

**Cause Group Code:** C09E-10-SF

**Pocomoke River & Sound; Bullbegger & Holdens Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 075-033 A (effective 20160711).

City / County: Accomack Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is impaired due to the portion of DSS condemnation # 075-033 A (effective 20160711). Covered under TMDL VAT-C09E-SF (35957) EPA approved 4/15/2009.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C09E_BLB01A06 / Bullbegger Creek / Located southeast of Pitts Neck area. From estuarine/riverine transition (end of tidal waters) downstream to mouth (confluence with Pocomoke Sound). Portion of CBP segment POCOH. Portion of DSS condemnation # 075-033 A (effective 20160711).	4A	Fecal Coliform	2006	L	0.134
VAT-C09E_POC01A06 / Pocomoke River / Located northeast of Pitts Neck area, along VA/MD border. From VA/MD state line downstream to mouth (confluence with Pocomoke Sound) within VA. Portion of CBP segment POCOH. Portion of DSS condemnation # 075-033 A (effective 20160711).	4A	Fecal Coliform	2010	L	0.240
VAT-C09E_POC02A08 / Pocomoke Sound [C09 portion] / Pocomoke Sound downstream of the Pocomoke River (VA portion). Portion of CBP segment POCOH. Portion of DSS shellfish direct harvesting condemnation # 075-033 A (effective 20160711).	4A	Fecal Coliform	2010	L	0.726
VAT-C10E_HLD01A06 / Holdens Creek - Upper / Located southeast of Joeys Neck area. From confluence Sandy Bottom Br downstream to 0.5 mi of station @ 7-HLD002.67. Portion of CBP segment POCOH. Portion of DSS condemnation # 075-033 A (effective 20160711).	4A	Fecal Coliform	2006	L	0.034
VAT-C10E_HLD02A06 / Holdens Creek - Lower / Located southeast of Joeys Neck area. From 0.5 mi downstream of station @ 7-HLD002.67 downstream to mouth. Portion of CBP segment POCOH. Portion of DSS shellfish condemnation # 075-033 A (effective 20160711).	4A	Fecal Coliform	2006	L	0.050
VAT-C10E_POC01A08 / Pocomoke Sound - Lower [C10 portion] / Pocomoke Sound downstream of the Pocomoke River (VA portion). Area adjacent to Holdens Creek. Portion of CBP segment POCOH. Portion of DSS shellfish direct harvesting condemnation # 075-033 A (effective 20131023).	4A	Fecal Coliform	1998	L	1.452

Pocomoke River & Sound; Bullbegger & Holdens Creek

**Shellfishing**

Estuary  
(Sq. Miles)

Reservoir  
(Acres)

River  
(Miles)

Fecal Coliform - Total Impaired Size by Water Type:

**2.636**

### Sources:

Livestock (Grazing or Feeding Operations)

Source Unknown

Wastes from Pets

Waterfowl

Wildlife Other than Waterfowl

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C09E-11-SF

**Unsegmented tidal tributaries in C09E-POCOH**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 075-033 (effective 20160711).

City / County: Accomack Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfish is impaired based on the VDH DSS shellfish Condemnation #075-033 effective date 20160711. In previous IR's this AU segment had a VDH DSS Administrative Condemnation and therefore did not have SF use.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C09E_ZZZ01A06 / Unsegmented tidal tributaries in C09E-POCOH / Evaluated non segmented portions of C09E. Portion of CBP segment POCOH. Portion of DSS shellfish direct harvesting condemnation # 075-033 (effective 20160711).	4A	Fecal Coliform	2006	L	0.006
Unsegmented tidal tributaries in C09E-POCOH			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing			Fecal Coliform - Total Impaired Size by Water Type: <b>0.006</b>		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C09R-01-DO

**Unnamed tributary to Pitts Creek**

**Cause Location:** This cause encompasses the riverine portion of this tributary to Pitts Creek. Includes unnamed tributary (south bank) of this unnamed tributary to Pitts Creek. Located northwest of New Church in Accomack County.

**City / County:** Accomack Co.

**Use(s):** Aquatic Life

**Cause(s) / VA Category:** Oxygen, Dissolved / 4A

The Aquatic Life Use is impaired due to low dissolved oxygen at station 7-XAE001.42 (12 violates / 36 obs.; VAT-C09R-01) which exceed the minimum criteria for this parameter. The DO impairment and TP CD listing are covered under the TMDL "Pitts Creek - UNT" EPA approved (35650 & 35649) 11/07/2008. The DO impairment is mitigated by the TMDL for TN & TP (35649 & 35650) approved by EPA 11/7/08.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C09R_XAE01A00 / Unnamed tributary to Pitts Creek / Riverine 4A portion of these tribs to Pitts Creek. Includes unnamed tributary (south bank) of this unnamed tributary to Pitts Creek. Located northwest of New Church in Accomack County.	Oxygen, Dissolved		1998	L	7.50
Unnamed tributary to Pitts Creek			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>	Oxygen, Dissolved - Total Impaired Size by Water Type:				<b>7.50</b>

**Sources:**

Source Unknown



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C09R-02-BAC

**Unnamed tributary to Pitts Creek**

**Cause Location:** This cause encompasses the riverine portion of this tributary to Pitts Creek. Includes unnamed tributary (south bank) of this unnamed tributary to Pitts Creek. Located northwest of New Church in Accomack County.

**City / County:** Accomack Co.

**Use(s):** Recreation

**Cause(s) / VA Category:** Escherichia coli / 4A

The Recreation Use is impaired (8 violate / 35 obs.) at station 7-XAE001.42 due to exceedance of the instantaneous criteria for E.coli bacteria. Previous (2006 IR) Use Flag ID = VAT-C09R-02. TMDL For UT to Pitts Creek for E.coli EPA approved 9/20/2012.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C09R_XAE01A00 / Unnamed tributary to Pitts Creek / Riverine 4A portion of these tribs to Pitts Creek. Includes unnamed tributary (south bank) of this unnamed tributary to Pitts Creek. Located northwest of New Church in Accomack County.		Escherichia coli	2004	L	7.50
Unnamed tributary to Pitts Creek			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>		Escherichia coli - Total Impaired Size by Water Type:			<b>7.50</b>

**Sources:**

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C09R-02-PH

**Unnamed tributary to Pitts Creek**

**Cause Location:** This cause encompasses the riverine portion of this tributary to Pitts Creek. Includes unnamed tributary (south bank) of this unnamed tributary to Pitts Creek. Located northwest of New Church in Accomack County.

**City / County:** Accomack Co.

**Use(s):** Aquatic Life

**Cause(s) / VA Category:** pH / 5A

The Aquatic Life Use is impaired due to low pH (6 violates / 36 obs.; VAT-C09R-02) concentrations at station 7-XAE001.42, which exceed the minimum criteria for this parameter.

Upstream discharge from Tyson Foods 001 may have impact on this impairment. Also need to investigate if natural conditions (leaf litter/organic content) may be the cause of the low pH.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C09R_XAE01A00 / Unnamed tributary to Pitts Creek / Riverine 5A portion of these tribs to Pitts Creek. Includes unnamed tributary (south bank) of this unnamed tributary to Pitts Creek. Located northwest of New Church in Accomack County.	pH	2006	L	7.50
Unnamed tributary to Pitts Creek		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>	pH - Total Impaired Size by Water Type:			<b>7.50</b>

**Sources:**

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C10E-02-BAC

**Muddy Creek - Upper**

**Cause Location:** This cause encompasses the upper portion of Muddy Creek, from end of tidal waters downstream to Pettigrew Bend. Portion of CBP segment POCMH.

**City / County:** Accomack Co.

**Use(s):** Recreation

**Cause(s) / VA Category:** Enterococcus / 5A

The Recreation Use is impairment is retained since the 2014 IR. Data outside assessment window is from 2005 & 2006. Enterococcus bacteria data from 2010 at DEQ AQM station @ 7-MUD002.29 (3 viol / 15 obs.).

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10E_MUD01A04 / Muddy Creek - Upper / Located southeast 5A of Byrds Marsh and northeast of Town of Bloxom. From end of tidal waters downstream to Poulson Pt. Portion of CBP segment POCMH. DSS shellfish condemnation # 076-176 B(effective 20160711).	Enterococcus	2006	L	0.301
Muddy Creek - Upper		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Recreation	Enterococcus - Total Impaired Size by Water Type:	0.301		

**Sources:**

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **C10E-02-SF**

**Tyler Creek, Shanks Creek, Tangier Sound**

Cause Location: This cause encompasses the assessment unit VACB-C10E\_TNN01D18.

City / County: Accomack Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 5B

VDH DSS condemnation #074-226 (Restricted) effective 2/26/2015

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VACB-C10E_TNN01D18 / Tyler Creek, Shanks Creek, Tangier Sound / Tyler Creek, Shanks Creek, Tangier Sound - Portion of CBP segment TANMH. Restricted waters of the DSS cond # 074-226 eff 2/26/2015. Split from VACB-C10E-TAN.	5B	Fecal Coliform	2018	L	2.169
Tyler Creek, Shanks Creek, Tangier Sound			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing		Fecal Coliform - Total Impaired Size by Water Type:	2.169		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C10E-03-SF

**Pocomoke Sound**

Cause Location: This cause encompasses the assessment unit VACB-C10E\_POC01B18.

City / County: Accomack Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 5B

VDH DSS condemnation #075-033 (Restricted) effective 7/11/2016

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VACB-C10E_POC01B18 / Pocomoke Sound / Pocomoke Sound - VDH DSS condemnation #075-033 (Restricted)	5B	Fecal Coliform	2018	L	0.111
Pocomoke Sound			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing		Fecal Coliform - Total Impaired Size by Water Type:	0.111		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C10E-05-BAC

**Messongo Creek - Upper**

**Cause Location:** This cause encompasses the southeast of Marsh Market. Running parallel with Rt. 692 upstream to the end of tidal waters. Portion of CBP segment POCMH.

**City / County:** Accomack Co.

**Use(s):** Recreation

**Cause(s) / VA Category:** Fecal Coliform / 4A

The Recreation Use is impaired based on exceedance Enterococci data with 3 viol / 17 obs) at station 7-MES001.34. The impairment is part of the July 1999 EPA Consent Decree (Attachment C & Attachment A, Category 1, Part 2). Previous (2006 IR) Use ID = VAT-C10E-05. Contained under EPA TMDL\_ID = 34492, EPA approved 6/11/08.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10E_MES01A06 / Messongo Creek - Upper / Located southeast of Marsh Market & start of Rec TMDL (213) . Running parallel with Rt 692 upstream to the end of tidal waters. POCMH. Upstream portion of DSS shellfish condemnation # 076-167 A (effective 20160711).	4A	Fecal Coliform	1998	L	0.042

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Messongo Creek - Upper	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.042</b>		

**Sources:**

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C10E-07-BAC

**Hunting Creek - Upper & Lower**

**Cause Location:** This cause encompasses Hunting Creek - Upstream portion, from end of tidal waters downstream to mouth. Portion of CBP segment POCMH.

**City / County:** Accomack Co.

**Use(s):** Recreation

**Cause(s) / VA Category:** Enterococcus / 4A

The Recreation Use is impaired based on exceedance of the Enterococcus bacteria criteria at station 7-HUN001.88 (9 violates / 35 obs.). Previous Use ID (2006 IR) as TMDL ID: VAT-C10E-07. Considered NESTED under TMDL (35566) VAT-C10E-11 EPA approved 2/15/2008.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10E_HUN01A00 / Hunting Creek - Upper / W of Hopkins. Upper portion, from end of tidal waters downstream to end of DSS condemnation (downstream of Town of Hopkins). CBP segment POCMH. DSS shellfish direct harvesting condemnation # 077-138 B (effective 20150708).	4A	Enterococcus	2006	L	0.168
VAT-C10E_HUN02A06 / Hunting Creek - Lower / West of Town of Hopkins. Lower portion of creek, from end of DSS condemnation downstream to mouth. Portion of CBP segment POCMH. DSS (OPEN) shellfish direct harvesting condemnation # 077-138 (effective 20150708).	4A	Enterococcus	2006	L	0.674
Hunting Creek - Upper & Lower Recreation			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:			0.842		

**Sources:**

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C10E-10-SF

**Bagwell Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 077-138 A, 7/8/2015.

City / County: Accomack Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is not supporting due to DSS shellfish direct harvesting condemnation.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10E_BAG01A00 / Bagwell Creek / Northwest of Town of Justisville. Entirety of creek. Portion of CBP segment POCMH. DSS shellfish direct harvesting condemnation # 077-138 A (effective 20150708).	4A	Fecal Coliform	1998	L	0.102
Bagwell Creek			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing		Fecal Coliform - Total Impaired Size by Water Type:	0.102		

Sources:

Source Unknown



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C10E-11-SF

**Deep Creek - Middle & Upper**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 077-138 C , 7/8/2015.

City / County: Accomack Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is not supporting due to DSS shellfish direct harvesting condemnation. Covered under TMDL (35552) VAT-C10E-18 EPA approved 1/15/2008.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10E_DEP01A06 / Deep Creek - Middle / East of town of Bayside. Middle portion of creek adjacent to Town of Deep Creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 077-138 C (effective 20150708).	4A	Fecal Coliform	1998	L	0.090
VAT-C10E_DEP01B10 / Deep Creek - Upper / East of town of Bayside. Upper portion of creek adjacent to Town of Deep Creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 077-138 C (effective 20150108).	4A	Fecal Coliform	2018	L	0.114
Deep Creek - Middle & Upper			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing			Fecal Coliform - Total Impaired Size by Water Type: <b>0.204</b>		

Sources:

Livestock (Grazing or Feeding Operations)

On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)

Source Unknown

Wastes from Pets

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C10E-12-SF

**Guilford Creek - Upper**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 076-176 A, 7/11/2016.

City / County: Accomack Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is not supporting due to DSS shellfish direct harvesting condemnation # 076-176 A (effective 20160711). Covered under TMDL 'Messongo and Guilford Creeks' (25411) VAT-C10E-04-SF EPA approved 6/7/2006.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10E_GLF01A06 / Guilford Creek - Upper / Northeast of Town 4A of Guilford. Upper portion of creek, from end of tidal waters downstream to end of DSS condemnation portion. Portion of CBP segment POCMH. DSS shellfish condemnation # 076-176 A (effective 20160711).	Fecal Coliform	1998	L	0.152
Guilford Creek - Upper		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing	Fecal Coliform - Total Impaired Size by Water Type:	0.152		

Sources:

Source Unknown

# Fact Sheets for Impaired (Category 4 or 5) Waters in 2018

## Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: **C10E-17-BAC**

Messongo Creek-Lower

Cause Location: This cause encompasses the lower creek from the intersection of Saxis and Belinda Rd downstream to the mouth.

City / County: Accomack Co.

Use(s): Recreation

Cause(s) / VA Category: Enterococcus / 4A

The Recreation Use is impaired based on the exceedance of Enterococcus bacteria with 3 viol / 17 obs at station 7-MES001.34. This is a new listing in 2018 for Recreation Use. Segment is nested within existing Shellfish TMDL for Messongo Cr EPA approved 6/7/2006. The new recreation impairment has the same sources that are adequately addressed in the existing SF TMDL. The impairment is within the tidal range of the existing TMDL boundary with comparable land use. The SF TMDL already sets reductions for human, pet and livestock at 100% and wildlife at 88 %.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10E_MES03A06 / Messongo Creek - Lower / Located south of Saxis and Belinda Rd intersection downstream to the mouth. Portion of CBP segment POCMH. No DSS shellfish direct harvesting condemnation.	4A	Enterococcus	2018	L	1.106

Messongo Creek-Lower

**Recreation**

Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	<b>1.106</b>	

### Sources:

Discharges from Biosolids (SLUDGE) Storage, Application or Disposal

Livestock (Grazing or Feeding Operations)

Wastes from Pets

Waterfowl

Wildlife Other than Waterfowl

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C10E-17-SF

**Messongo Creek - Upper & Middle**

Cause Location: Described in VDH Notice and description of Shellfish Condemnation # 076-167 A (effective 20160711).

City / County: Accomack Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfish use is now impaired based on the 20160711 Restricted Condemnation # 076-167 A. The shellfish impairment is nested in the 2018 IR with the Recreation-Fecal Coliform Messongo Cr EPA approved TMDL 6/11/2008. Proj # 213. Nesting is possible for a SF into a Rec Impairment because the TMDL:

1) The fecal source was represented in the Recreation TMDL by using the downstream boundary source: estuary and the bay boundary.

2) The standard for the SF Messongo Cr TMDL approved in 2006 (P# 732) of 14 and 49 MPN/100 ml was used as the boundary station for the impaired segment addressed in the Recreation TMDL (213).

3) Reductions required in the Rec TMDL: 100 % redux of human sources, loading from livestock, and pets and 97% redux from wildlife.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10E_MES01A06 / Messongo Creek - Upper / Located southeast of Marsh Market & start of Rec TMDL (213) . Running parallel with Rt 692 upstream to the end of tidal waters. POCMH. Upstream portion of DSS shellfish condemnation # 076-167 A (effective 20160711).	4A	Fecal Coliform	1998	L	0.042
VAT-C10E_MES02A06 / Messongo Creek - Middle [TMDL-732] / South of Town of Belinda. Portion of CBP segment POCMH. TMDL P# 732- SF. DSS Condemnation # 076-167 (effective 20160711).	4A	Fecal Coliform	2006	L	0.156

Messongo Creek - Upper & Middle

**Shellfishing**

Fecal Coliform - Total Impaired Size by Water Type:

Estuary  
(Sq. Miles)  
**0.197**

Reservoir  
(Acres)

River  
(Miles)

Sources:

Livestock (Grazing or  
Feeding Operations)

Unpermitted Discharge  
(Domestic Wastes)

Wastes from Pets

Waterfowl

Wildlife Other than  
Waterfowl

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **C10E-18-SF**

**Hunting Creek - Upper**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 077-138 B, 7/8/2015.

City / County: Accomack Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is not supporting due to DSS shellfish direct harvesting condemnation. Previous Use ID (2006 IR) as TMDL ID: VAT-C10E-18. Considered NESTED under TMDL (35566) VAT-C10E-11.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10E_HUN01A00 / Hunting Creek - Upper / W of Hopkins. Upper portion, from end of tidal waters downstream to end of DSS condemnation (downstream of Town of Hopkins). CBP segment POCMH. DSS shellfish direct harvesting condemnation # 077-138 B (effective 20150708).	4A	Fecal Coliform	1998	L	0.168
Hunting Creek - Upper			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing		Fecal Coliform - Total Impaired Size by Water Type:	<b>0.168</b>		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C10E-20-SF

**Muddy Creek - Upper**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 076-176 B(effective 20160711).

City / County: Accomack Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 5A

The shellfish use is impaired based on the Restricted Condemnation # 076-176 B effective date 20160711. Muddy Creek was a part of the 1999 Consent Decree for shellfish, VAT-C07E-16. In 2010 the Shellfish Use was removed due to Admin Condemn # 076-176 A (effective 20080708). In 2014 IR the Shellfishing Use was added because the area was Opened for shellfishing based on new VDH Condemn # 076-176 (8/10/2012).

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10E_MUD01A04 / Muddy Creek - Upper / Located southeast 5A of Byrds Marsh and northeast of Town of Bloxom. From end of tidal waters downstream to Poulson Pt. Portion of CBP segment POCMH. DSS shellfish condemnation # 076-176 B(effective 20160711).	Fecal Coliform	2006	L	0.301
Muddy Creek - Upper		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing	Fecal Coliform - Total Impaired Size by Water Type:	0.301		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C10R-01-BAC

**Unnamed tributary to Sandy Bottom Branch**

**Cause Location:** This cause encompasses the portion of this unnamed tributary to Sandy Bottom Branch, originating at outfall 001 of VPDES VA0004049 downstream to confluence with Sandy Bottom Branch (@ Rt. 693 crossing).

**City / County:** Accomack Co.

**Use(s):** Recreation

**Cause(s) / VA Category:** Escherichia coli / 4A

The Recreation Use impairment is retained based on exceedances of the criteria for E.coli bacteria (1 viol / 7 obs.) at station 7-XAZ000.30. Previously station violation rate was 4 viol / 11 obs. No bacteria data collected within assessment window.

1998 CD segment for benthics & FC (Attachment A, Category 1, Part 1) VAT-C10R-01. The Recreation Use is covered under a TMDL for bacteria in the stream segment [35939] as approved by EPA 11/7/08.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10R_XAZ01A00 / Unnamed tributary to Sandy Bottom Branch / Located south of Makemie Park area. Portion of unnamed trib. (originating at outfall 001 of VPDES VA0004049) from confluence of UT from north downstream to confluence with Sandy Bottom Branch (@ Rt 693 crossing).	4A Escherichia coli	2006	L	1.13
Unnamed tributary to Sandy Bottom Branch		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>	Escherichia coli - Total Impaired Size by Water Type:			<b>1.13</b>

**Sources:**

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **C10R-01-BAC2**

**Unnamed tributary from Tyson Foods**

**Cause Location:** This cause encompasses the area south of Makemie Park. A portion of unnamed trib. from origin at outfall 001 of VPDES VA0004049 downstream to the confluence of the UT from north (upstream of Rt. 693 crossing).

**City / County:** Accomack Co.

**Use(s):** Recreation

**Cause(s) / VA Category:** Escherichia coli / 4A

The Recreation Use is impaired based on exceedances of the criteria for E.coli bacteria (4 viol / 11 obs.) in 2012 IR downstream station 7-XAZ000.30 and now has 1 viol / 7 obs. This segment is an extension of the stream that was on the CD. The impaired segment was not included in the EPA approved (11/7/2008) TMDL for E.coli for Holdens Creek and Sandy Bottom Branch and UT to SBB. However, it is now nested because it uses same listing station, bacteria reductions apply to entire watershed, and land uses are consistent. Nested in 2014.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10R_XCX01A08 / Unnamed tributary from Tyson Foods / Located south of Makemie Park area. Portion of unnamed trib. from origin at outfall 001 of VPDES VA0004049 downstream to the confluence of the UT from north (upstream of Rt 693 crossing).	4A	Escherichia coli	2010	L	1.40
Unnamed tributary from Tyson Foods			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>		Escherichia coli - Total Impaired Size by Water Type:			<b>1.40</b>

**Sources:**

Source Unknown



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C10R-01-BEN

**Unnamed tributary to Sandy Bottom Branch**

**Cause Location:** This cause encompasses the portion of this unnamed tributary to Sandy Bottom Branch, originating at outfall 001 of VPDES VA0004049 downstream to confluence with Sandy Bottom Branch (@ Rt. 693 crossing).

**City / County:** Accomack Co.

**Use(s):** Aquatic Life

**Cause(s) / VA Category:** Benthic-Macroinvertebrate Bioassessments / 4B

The Aquatic Life Use is impaired due to impacts to the stream's benthic population. EPA approved March 2010 the re-categorization of the benthic impairment for SBB and UTSBB. "These waters were originally identified as impaired based on biological monitoring data, a current analysis of the benthic community has shown that through the issuance of permit limitations, water quality conditions in SBB and UTSBB have improved. Therefore there is no need for a benthic TMDL for SBB and UTSBB at this time."

Benthic impairment assessment is based on VCPMI scores [2012\_IM: S=21.9, F=37.0 2013: S=10.8 F= 7.7 2014: F=31.9 2015: S= 27.6 F=19.7 2016: S= 7.8 F= 31.7 ] at DEQ (BIO) station @ 7-XAZ000.30.

1998 CD segment for benthics & FC (Attachment A, Category 1, Part 1) VAT-C10R-01.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10R_XAZ01A00 / Unnamed tributary to Sandy Bottom Branch 4B / Located south of Makemie Park area. Portion of unnamed trib. (originating at outfall 001 of VPDES VA0004049) from confluence of UT from north downstream to confluence with Sandy Bottom Branch (@ Rt 693 crossing).	4B	Benthic-Macroinvertebrate Bioassessments	1996	L	1.13
Unnamed tributary to Sandy Bottom Branch			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>					
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:					<b>1.13</b>

**Sources:**

Source Unknown

# Fact Sheets for Impaired (Category 4 or 5) Waters in 2018

## Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: **C10R-01-BEN2**

Unnamed tributary from Tyson Foods

Cause Location: This cause encompasses the area south of Makemie Park. A portion of unnamed trib. from origin at outfall 001 of VPDES VA0004049 downstream to the confluence of the UT from north (upstream of Rt. 693 crossing).

City / County: Accomack Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Benthic-Macroinvertebrate Bioassessments / 4B

The Aquatic Life Use is impaired due to impacts to the stream's benthic population at the downstream station. Benthic impairment assessment is based on VCPMI scores [2016 S= 7.8 F= 31.7 2015: S=27.6 F=19.7 2014: F= 31.9 2013: S=10.8 F=7.7 2012: S=21.9, F=37.0] at DEQ (BIO) station @ 7-XAZ000.30.

EPA approved March 2010 the re-categorization of the benthic impairment for SBB and UTSBB. "These waters were originally identified as impaired based on biological monitoring data, a current analysis of the benthic community has shown that through the issuance of permit limitations, water quality conditions in SBB and UTSBB have improved. Therefore there is no need for a benthic TMDL for SBB and UTSBB at this time. "

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10R_XCX01A08 / Unnamed tributary from Tyson Foods / Located south of Makemie Park area. Portion of unnamed trib. from origin at outfall 001 of VPDES VA0004049 downstream to the confluence of the UT from north (upstream of Rt 693 crossing).	4B	Benthic-Macroinvertebrate Bioassessments	2008	L	1.40
Unnamed tributary from Tyson Foods			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>					
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:					<b>1.40</b>

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C10R-02-BAC

**Sandy Bottom Branch**

Cause Location: This cause encompasses the entirety of Sandy Bottom Branch downstream to the confluence with Holdens Creek.

City / County: Accomack Co.

Use(s): Recreation

Cause(s) / VA Category: Escherichia coli / 4A

The Recreation Use remains impaired due to exceedance of the criteria for E.coli bacteria @ 7-SBB000.17 (21 violates / 33 obs). The Recreation Use is covered under a TMDL for bacteria in the stream segment [35941] as approved by EPA 11/7/08.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10R_SBB01A00 / Sandy Bottom Branch / Located southwest 4A of Makemie Park area. Entire Sandy Bottom Branch downstream to confluence with Holdens Creek.	Escherichia coli	2004	L	1.29
Sandy Bottom Branch		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Recreation	Escherichia coli - Total Impaired Size by Water Type:			1.29

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C10R-02-BEN

**Sandy Bottom Branch**

Cause Location: This cause encompasses the entirety of Sandy Bottom Branch downstream to the confluence with Holdens Creek.

City / County: Accomack Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Benthic-Macroinvertebrate Bioassessments / 4B

The Benthic impairment will be maintained for the 2018 IR. The most recent 2 years of VCPMI scores are: 2016 - Spring = 7.1 and Fall = 66.4 ; 2015 - Spring = 53.3 and Fall = 15.1 with 2 yr avg of 35.5. No delist since average and recent scores fall below 40 VCPMI threshold. However, stations benthics scores seem to be improving.

The EPA approved March 2010 the re-categorization of the benthic impairment for SBB and UTSBB. "These waters were originally identified as impaired based on biological monitoring data, a current analysis of the benthic community has shown that through the issuance of permit limitations, water quality conditions in SBB and UTSBB have improved. Therefore there is no need for a benthic TMDL for SBB and UTSBB at this time. "

Benthic impairment assessment is based on biological benthic monitoring VCPMI [2012\_IM: S=31, F=35.5 2013: S=23.3, F=43.5, 2014: F=65.3, 2015: S= 53.3, F= 15.1, 2016: S= 7.1 F= 66.4]. At DEQ (BIO) station @ 7-SBB000.17.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10R_SBB01A00 / Sandy Bottom Branch / Located southwest 4B of Makemie Park area. Entire Sandy Bottom Branch downstream to confluence with Holdens Creek.	Benthic-Macroinvertebrate Bioassessments		2004	L	1.29
Sandy Bottom Branch			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>					
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:					<b>1.29</b>

Sources:

Agriculture

Animal Feeding Operations (NPS)

Permitted Runoff from Confined Animal Feeding Operations (CAFOs)

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **C10R-02-CU**

**Sandy Bottom Branch**

Cause Location: This cause encompasses the entirety of Sandy Bottom Branch downstream to the confluence with Holdens Creek.

City / County: Accomack Co.

Use(s): Aquatic Life

Wildlife

Cause(s) / VA Category: Copper / 4B

The Aquatic Life and Wildlife Uses are impaired due to exceedance of the freshwater acute criteria for copper. Freshwater acute criteria for copper exceeded in monitoring @ 7-SBB000.17 (2 violates / 5 obs., during 2000 & 2001).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10R_SBB01A00 / Sandy Bottom Branch / Located southwest of Makemie Park area. Entire Sandy Bottom Branch downstream to confluence with Holdens Creek.	4B	Copper	2002	L	1.29
Sandy Bottom Branch	4B	Copper	2002	L	1.29
Aquatic Life			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Copper - Total Impaired Size by Water Type:					<b>2.58</b>

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **C10R-03-BEN**

**Guilford Creek**

Cause Location: This cause encompasses Guilford Creek, from confluence of two branches west of Rt. 316 downstream to Rt. 658 crossing.

City / County: Accomack Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

The Aquatic Life Use impairment is retained due to impacts to the stream's benthic population: MI: S&F 05-06 at DEQ (BIO) station @ 7-GLF003.77. The stream was said to be moderately impaired and is retained due to lack of more recent data.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10R_GLF01A08 / Guilford Creek / South of Town of Bloxom. Stream portion from confluence of two branches west of Rt 316 downstream to Rt 658 crossing.	5A Benthic-Macroinvertebrate Bioassessments	2008	L	0.85
Guilford Creek		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>				
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:				<b>0.85</b>

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C11E-04-BAC

**North Branch, Onancock Creek**

Cause Location: This cause encompasses the entirety of the North Branch, Onancock Creek. CBP segment CB7PH.

City / County: Accomack Co.

Use(s): Recreation

Cause(s) / VA Category: Enterococcus / 4A

The Recreation Use impairment is retained for this Assessment. No Enterococci data is available at station 7-ONB000.20 or 7-ONB000.56. Covered under TMDL (25414) Onancock Creek, North Branch", VAT-C11E-04-SF, EPA approved 8/2/2006. Previous Use ID (2006 IR) as TMDL ID: VAT-C11E-04.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C11E_ONB01A02 / North Branch, Onancock Creek / Located near Town of Onancock. Entire North Branch, Onancock Creek. CBP segment CB7PH. DSS shellfish condemnation (Admin Cond-PROHIBITION) # 081-013 D (effective 20131120).	4A	Enterococcus	2002	H, 2yr	0.021
North Branch, Onancock Creek			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Recreation		Enterococcus - Total Impaired Size by Water Type:	0.021		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **C11E-05-BAC**

**Central Branch, Onancock Creek**

Cause Location: This cause encompasses the entirety of the Central Branch, Onancock Creek. CBP segment CB7PH.

City / County: Accomack Co.

Use(s): Recreation

Cause(s) / VA Category: Enterococcus / 4A

The Recreation Use impairment is retained from the 2006 IR based on previous exceedance of the Fecal Coliform bacteria criteria and exhibits Observed Effects due to insufficient exceedance of Enterococcus bacteria criteria within a small data set (1 violate / 3 obs.)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C11E_OCB01A00 / Central Branch, Onancock Creek / CBP segment CB7PH. Portion of DSS (Admin Cond) shellfish condemnation # 080-013 A (effective 20131120).	4A	Enterococcus	2008	H, 2yr	0.018
Central Branch, Onancock Creek			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>		Enterococcus - Total Impaired Size by Water Type:	<b>0.018</b>		

Sources:

Source Unknown



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C11E-06-BAC

**Southern Branch, Onancock Creek**

Cause Location: This cause encompasses the entirety of the Southern Branch, Onancock Creek. CBP segment CB7PH.

City / County: Accomack Co.

Use(s): Recreation

Cause(s) / VA Category: Enterococcus / 4A

The Recreation Use impairment is retained from the 2006 IR based on previous exceedance of the Fecal Coliform bacteria criteria. No bacteria data in 2012. In 2010 station 7-OSB000.13 exhibits Observed Effects due to insufficient exceedance of Enterococcus bacteria criteria within a small data set (1 violate / 3 obs.). Previous Use ID (2006 IR) = VAT-C11E-06.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C11E_OSB01A02 / Southern Branch, Onancock Creek / Near Town of Onancock. Entire Southern Branch Onancock Creek. CBP segment CB7PH. Portion of DSS (Admin Cond) shellfish condemnation # 081-013 A (effective 20131120).	4A	Enterococcus	1998	H, 2yr	0.058
Southern Branch, Onancock Creek			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Recreation		Enterococcus - Total Impaired Size by Water Type:	0.058		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C11E-07-BAC

**Onancock Mainstem and Upper Mainstem**

**Cause Location:** This cause encompasses the area from junction of N, Central & S Brs downstream to end of DSS condemnation near Finneys Wharf.

**City / County:** Accomack Co.

**Use(s):** Recreation

**Cause(s) / VA Category:** Enterococcus / 4A

The Recreation Use impairment is retained in the 2018 IR. Data used to list as impaired is from 2009, 2010 and 2014. Now in 2018 two of the three years are outside the assessment window. Data within assessment window is 0 viol / 12 obs for Enterococci bacteria at station 7-OCN004.96. Not able to delist until additional data is collected.

Previous Use ID (2006 IR) = VAT-C11E-07. Recreation Use included under shellfish TMDL approved 8/2/06 under TMDL ID = VAT-C11E-14 (24499).

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C11E_OCN01A04 / Onancock Creek Mainstem - Upper [Admin Cond] / Near Town of Onancock. From junction of N, Central & S Brs downstream to end of DSS condemnation (by Finneys Wharf. CBP segment CB7PH. Portion of DSS (Admin Cond) shellfish condemnation # 080-013 A (effective 20131120).	4A Enterococcus	2006	H, 2yr	0.129
VAT-C11E_OCN01C10 / Onancock Creek Mainstem - Upper / Near Town of Onancock. From junction of N, Central & S Brs downstream to end of DSS condemnation near Finneys Wharf. CBP segment CB7PH. Portion of DSS shellfish condemnation # 081-013 (effective 20131120).	4A Enterococcus	2010	H, 2yr	0.097
Onancock Mainstem and Upper Mainstem		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>				
Enterococcus - Total Impaired Size by Water Type:		<b>0.226</b>		

**Sources:**

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C11E-11-SF

**Chesconessex Creek - South Br. - Upper**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 079-112 A (effective 20150708).

City / County: Accomack Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

DSS shellfish direct harvesting condemnation # 079-112 A (effective 20150708). Previous Use ID (2006 IR) as TMDL ID: VDH-Bay PCBs.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C11E_CSX01A00 / Chesconessex Creek - South Br. - Upper / 4A South of Chesconessex and northwest of Onancock. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 079- 112 A (effective 20150708).	Fecal Coliform	1998	L	0.109
Chesconessex Creek - South Br. - Upper		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing	Fecal Coliform - Total Impaired Size by Water Type:	0.109		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C11E-12-SF

**Finneys Creek - Upper**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 080-013 D (effective 20131120).

City / County: Accomack Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is impaired due to the DSS shellfish direct harvesting condemnation # 080-013 B (effective 20131120). Covered under TMDL (31237) "Finneys Creek", VAT-C11E-01-SF, EPA approved 8/2/2006.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C11E_FNN01A00 / Finneys Creek - Upper / East of Bailey Neck area. South shore tributary of Onancock Creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 080-013 B (effective 20131120).	4A	Fecal Coliform	1998	H, 2yr	0.069
Finneys Creek - Upper			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing		Fecal Coliform - Total Impaired Size by Water Type:	0.069		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C11E-13-SF

**Cedar Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 080-169 A (effective 20131120).

City / County: Accomack Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is impaired due to DSS shellfish direct harvesting condemnation # 080-013 E (effective 20131120).  
Covered under TMDL (33845) "Cedar Creek" VAT-C11E-02-SF EPA approved 8/2/2006.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C11E_CED01A00 / Cedar Creek / Entire estuarine portion of creek. North shore tributary of Onancock Creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 080-013 C (effective 20131120).	4A	Fecal Coliform	1998	H, 2yr	0.063
Cedar Creek			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing		Fecal Coliform - Total Impaired Size by Water Type:	0.063		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C11E-23-SF

**Onancock Creek Mainstem - Upper**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation # 081-013 (effective 20131120).

City / County: Accomack Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

Shellfishing Use is now impaired in the 2018 IR based on the DSS shellfish condemnation # 080-013 A (effective 20131120). Some area outside of TMDL is nested within the TMDL (25414) Onancock Creek, North Branch", VAT-C11E-04-SF, EPA approved 8/2/2006. Additional SF is within tidal range and TMDL watershed boundary. The additional area has similar land use and will be adequately addressed in the existing reductions called for in 88% reductions for Mainstem Onancock Cr with 100 % reductions for pet and human and 62% reductions for wildlife.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C11E_OCN01C10 / Onancock Creek Mainstem - Upper / Near 4A Town of Onancock. From junction of N, Central & S Brs downstream to end of DSS condemnation near Finneys Wharf. CBP segment CB7PH. Portion of DSS shellfish condemnation # 081-013 (effective 20131120).	Fecal Coliform	2010	L	0.097
Onancock Creek Mainstem - Upper		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing	Fecal Coliform - Total Impaired Size by Water Type:	0.097		

### Sources:

On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)	Wastes from Pets	Waterfowl	Wildlife Other than Waterfowl
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# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C11R-01-BAC

**Joynes Branch**

Cause Location: This cause encompasses Joynes Branch, eastern riverine tributary to the Central Branch of Onancock Creek

City / County: Accomack Co.

Use(s): Recreation

Cause(s) / VA Category: Escherichia coli / 5A

The Recreation Use impairment is based on the 2014 data collected at station 7-JOY000.59 with 2 viol / 9 obs. Previously this impairment had been maintained since the data collected was from 2005-2006 with an exceedance of the criteria for E.coli bacteria (4 violates / 9 obs.).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C11R_JOY01A08 / Joynes Branch / Eastern riverine tributary to the Central Branch of Onancock Creek.	5A	Escherichia coli	2008	H	2.37
Joynes Branch			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>					
Escherichia coli - Total Impaired Size by Water Type:					<b>2.37</b>

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C12E-10-SF

**Pungoteague Creek - Upper**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 081-119 B (effective 20130325).

City / County: Accomack Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is impaired due to the DSS condemnation # 081-119 B (effective 20130325). Covered under TMDL (25416) for VAT-C12E-10-SF (approved 6/7/06)].

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C12E_PUN01A06 / Pungoteague Creek - Upper / W of Melfa. Upper portion of Pungoteague Cr. from the end of tidal waters downstream to Boggs Wharf and Route 634. CBP segment CB7PH. DSS condemnation # 081-119 B (effective 20130325).	4A	Fecal Coliform	1998	L	0.232
Pungoteague Creek - Upper			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing		Fecal Coliform - Total Impaired Size by Water Type:	0.232		

Sources:

Source Unknown



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C12E-11-SF

**Taylor Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 081-119 C (effective 20160401).

City / County: Accomack Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

DSS shellfish condemnation # 081-119 C. The Shellfishing Use is impaired due to the DSS shellfish harvesting condemnation which is present. Covered under TMDL (25416) "Taylor Creek" for VAT-C12E-03-SF (EPA approved 6/7/06).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C12E_TAY01A06 / Taylor Creek / Located southwest of Harborton. From the end of tidal waters downstream Route 628 and Eastern Shore Yacht Club. Portion of CBP segment CB7PH. Portion of DSS condemnation # 081-119 C (effective 20160401).	4A	Fecal Coliform	1998	L	0.130
Taylor Creek			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing		Fecal Coliform - Total Impaired Size by Water Type:	0.130		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C12E-12-SF

**Underhill Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 081-119 A (effective 20160401).

City / County: Accomack Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is impaired due to the DSS condemnation # 081-119 A (effective 20160401). Covered under TMDL (25416) "Taylor Creek" for VAT-C12E-03-SF (EPA approved 6/7/06).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C12E_UNR01A06 / Underhill Creek / In area of Mount Nebo. North shore tributary to Pungoteague Cr. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 081-119 A (effective 20160401).	4A	Fecal Coliform	2006	L	0.070
Underhill Creek			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing		Fecal Coliform - Total Impaired Size by Water Type:	0.070		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C12R-01-BEN

**Taylor Creek**

**Cause Location:** This cause encompasses the riverine portion of Taylor Creek, from the point where stream forks north of Rt. 180 downstream to the confluence of UT below Rt. 178.

**City / County:** Accomack Co.

**Use(s):** Aquatic Life

**Cause(s) / VA Category:** Benthic-Macroinvertebrate Bioassessments / 5A

The Aquatic Life Use impairment is due to monitored impacts to the stream's benthic population. Assessment is based on biological benthic monitoring with VCPMI [2013: S=17.3 & 2010: S=11.9, F=9.7] at Station 7-TAY003.11.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C12R_TAY01A04 / Taylor Creek / Located east of Town of Pungoteague. From point where stream forks north of Rt 180 downstream to confluence of UT below Rt 178.	5A	Benthic-Macroinvertebrate Bioassessments	2004	L	0.90
Taylor Creek			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>					
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:					<b>0.90</b>

**Sources:**

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C12R-02-BEN

**Bull Branch**

**Cause Location:** This cause encompasses the riverine portion of Bull Branch, from headwaters near Rt. 609 (Accomack Co. Airport) downstream to confluence with eastern prong of upper Pungoteague Creek.

**City / County:** Accomack Co.

**Use(s):** Aquatic Life

**Cause(s) / VA Category:** Benthic-Macroinvertebrate Bioassessments / 5A

The Aquatic Life Use impairment is retained for the 2014 IR due to impacts to the stream's benthic population. Benthic impairment assessment is based on biological benthic monitoring noting MI [MI: S&F-03, S-04; SI: F-04] at DEQ (BIO) station @ 7-BBR001.31.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C12R_BBR01A08 / Bull Branch / Located east of Town of Pungoteague. Eastern tributary to upper eastern prong of Pungoteague Cr. From headwaters near Rt 609 (Accomack Co. Airport) downstream to confluence with eastern prong of upper Pungoteague Cr.	5A	Benthic-Macroinvertebrate Bioassessments	2008	L	2.25
Bull Branch			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life					
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:					2.25

**Sources:**

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C13E-02-BAC

**Nassawadox Creek - Lower**

Cause Location: This cause encompasses the lower mainstem of Nassawadox Creek. Portion of CBP segment CB7PH.

City / County: Northampton Co.

Use(s): Recreation

Cause(s) / VA Category: Enterococcus / 4A

The Recreation Use is impaired based on Enterococcus bacteria data which exceeded the criteria. (6 violate / 30 obs.) at DEQ (AQM) station @ 7-NSS001.62. Use ID = VAT-C13E-02. This segment is covered under revised TMDL for "Nassawadox Creek Watershed" (33777) EPA approved 8/15/2017.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C13E_NSS02A06 / Nassawadox Creek - Lower / Mainstem of lower portion of creek to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 085-110 & 085-185 (effective 20161013).	4A	Enterococcus	2008	L	2.121
Nassawadox Creek - Lower			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Recreation		Enterococcus - Total Impaired Size by Water Type:	2.121		

**Sources:**

Animal Feeding Operations (NPS)  
Wildlife Other than Waterfowl

Livestock (Grazing or Feeding Operations)

Wastes from Pets

Waterfowl

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C13E-11-SF

**Church Creek -Upper**

**Cause Location:** This cause encompasses the area of Elliotts Neck. Tributary to Nassawadox Creek, upstream portion of Church Creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 085-185 B (effective 20161013).

**City / County:** Northampton Co.

**Use(s):** Shellfishing

**Cause(s) / VA Category:** Fecal Coliform / 4A

The Shellfish Use is impaired based on the DSS shellfish direct harvesting condemnation # 085-185 B (effective 20161013). Previous Use ID (2006 IR) as TMDL ID: VAT-C13E-11. Portion of AU is Covered under TMDL for "Nassawadox Creek Watershed" (33777) EPA approved 9/20/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C13E_CHC01B16 / Church Creek -Upper / In area of Elliotts Neck. Tributary to Nassawadox Creek, upstream portion of Church Creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 085-185 B (effective 20161013).	4A	Fecal Coliform	2016	L	0.108

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Church Creek -Upper	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing			
Fecal Coliform - Total Impaired Size by Water Type:	0.108		

**Sources:**

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **C13E-11-SF2**

**Church Creek - Middle, UT North Cove**

Cause Location: This cause encompasses the area of Elliotts Neck. Tributary to Church Creek - Middle, UT North Cove. Portion of CBP segment.

City / County: Northampton Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is impaired due to the DSS shellfish direct harvesting condemnation # 085-185 A (effective 20161013). Impairment included in revised TMDL for "Nassawadox Creek Watershed" (33777) EPA approved 9/20/2007, 2/1/2018.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C13E_CHC01C10 / Church Creek - Middle- UT North Cove / In4A area of Elliotts Neck. Tributary to Church Creek - Middle, UT North Cove. Portion of CBP segment CB7PH. DSS shellfish harvesting condemnation # 085-185 A (effective 20161013).	In4A	Fecal Coliform	2004	L	0.059
Church Creek - Middle, UT North Cove			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>					
Fecal Coliform - Total Impaired Size by Water Type:			<b>0.059</b>		

Sources:

Livestock (Grazing or Feeding Operations)

Wastes from Pets

Waterfowl

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C13E-12-SF

**Craddock Creek - Upper [TMDL-bact.]**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 085-110 E (effective 20121210).

City / County: Northampton Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

DSS shellfish direct harvesting condemnation # 083-195 A (effective 20121210). Previous Use ID (2006 IR) as TMDL ID: VAT-C13E-12. Covered under TMDL for "Craddock Creek" (25417) EPA approved 6/7/2006.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C13E_CRA01A06 / Craddock Creek - Upper [TMDL-bact.] / From end of tidal waters downstream to end of shellfish condemnation (area of TMDL-bact 6/07). Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 083-195 A (effective 20121210).	4A	Fecal Coliform	1998	L	0.082
Craddock Creek - Upper [TMDL-bact.]			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing		Fecal Coliform - Total Impaired Size by Water Type:	0.082		

Sources:

Source Unknown



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C13E-13-SF

**Holly Grove Cove- Upper & Kelley Cove**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 085-110 B (effective 20161013).

City / County: Northampton Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

DSS shellfish direct harvesting condemnation # 085-110 B (effective 20161013). Previous Use ID (2006 IR) as TMDL ID: VAT-C13E-13. Covered under TMDL for "Nassawadox Creek Watershed" (33777) EPA approved 9/20/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C13E_HGC01A06 / Holly Grove Cove / Located near Wellington Neck. From end of tidal waters downstream to mouth. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 085-110 E (effective 20161013).	4A	Fecal Coliform	1998	L	0.143
VAT-C13E_KLL01A06 / Kelley Cove / From end of tidal waters downstream to confluence with Nassawadox Cr. (area of TMDL-bact 6/07). Portion of CBP segment CB7PH. Portion of DSS shellfish direct harvesting condemnation # 085-110 D (effective 201610137).	4A	Fecal Coliform	1998	L	0.026
Holly Grove Cove- Upper & Kelley Cove			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing			Fecal Coliform - Total Impaired Size by Water Type: <b>0.168</b>		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **C13E-14-SF**

**Nassawadox Creek - Upper [TMDL-bact.]**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 085-110 D (effective 20161013).

City / County: Northampton Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

DSS shellfish direct harvesting condemnation # 085-110 D(effective 20161013). Previous Use ID (2006 IR) as TMDL ID: VAT-C13E-14. Covered under TMDL for "Nassawadox Creek Watershed" (33777) EPA approved 9/20/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C13E_NSS01A06 / Nassawadox Creek - Upper [TMDL-bact.] / 4A From end of tidal waters downstream to confluence with Kelly Cove (RM 5.2) area of TMDL-bact 6/07. Portion of CBP segment CB7PH. Portion of DSS shellfish direct harvesting condemnation # 085-110 B (effective 20161013).	Fecal Coliform	1998	L	0.205
Nassawadox Creek - Upper [TMDL-bact.]		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>	Fecal Coliform - Total Impaired Size by Water Type:	<b>0.205</b>		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C13E-15-SF

**Occohannock Creek - Upper**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 084-043 A (effective 20161116).

City / County: Accomack Co. Northampton Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

DSS condemnation # 084-043 A (effective 20161116). Covered under TMDL for "Occohannock Creek" (38189) EPA approved 6/7/2006).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C13E_OCH01A06 / Occohannock Creek - Upper / Upper portion of Occohannock Creek and tidal tribs., from end of tidal waters downstream to the confluence of Wescott Cove (RM 5.3). Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 084-043 A (effective 20161116).	4A	Fecal Coliform	1998	L	0.538
Occohannock Creek - Upper			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing		Fecal Coliform - Total Impaired Size by Water Type:	0.538		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C13E-18-SF

**McLean Gut - Upper**

**Cause Location:** This cause encompasses the middle south shore tributary of middle Nandua Cr. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 082-160 B (effective 20160330).

**City / County:** Northampton Co.

**Use(s):** Shellfishing

**Cause(s) / VA Category:** Fecal Coliform / 4A

The Shellfishing Use is not supporting due to DSS shellfish direct harvesting condemnation # 082-160 B (effective 20160330). Previous Use ID (2006 IR) as TMDL ID: VAT-C13E-18. Covered under TMDL for "Nandua and Currituck Creeks" (25419) EPA approved 6/7/2006.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C13E_MAG01A08 / McLean Gut - Upper / Southwest of Fairview Neck area. Middle south shore tributary of middle Nandua Cr. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 082-160 B (effective 20160330).	4A	Fecal Coliform	1998	L	0.038

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McLean Gut - Upper	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing			
Fecal Coliform - Total Impaired Size by Water Type:	0.038		

**Sources:**

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C13E-19-SF

**Nandua Creek - Upper [TMDL-bact.]**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 082-160 A (effective 20160330).

City / County: Northampton Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is not supporting due to DSS shellfish direct harvesting condemnation # 082-160 A (effective 20160330).  
Previous Use ID (2006 IR) as TMDL ID: VAT-C13E-19

Covered under TMDL for "Nandua and Currituck Creeks" (25419) EPA approved 6/7/2006.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C13E_NAN01A00 / Nandua Creek - Upper [TMDL-bact.] / Southeast of Hacks Neck area. The two most upstream branches of Nandua Creek, incl. Kusian Cove. Portion of CBP segment CB7PH. DSS condemnation # 082-160 A&C (effective 20160330).	4A	Fecal Coliform	1998	L	0.144
Nandua Creek - Upper [TMDL-bact.]			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing		Fecal Coliform - Total Impaired Size by Water Type:	0.144		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C13E-20-SF

**Nassawadox Creek - Middle, N. Shore Tribs**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 085-110 A, 10/13/2016.

City / County: Northampton Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is not supporting due to DSS shellfish direct harvesting condemnation # 085-110 A (effective 20161013). Covered under revised TMDL for "Nassawadox Creek Watershed" (68338) EPA approved 8/5/2017.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C13E_NSS03A08 / Nassawadox Creek - Middle, N. Shore Tribs / Occohannock Neck Area. North Shore UTs to lower-middle mainstem Nassawadox. Portion of CBP segment CB7PH. Portion of DSS shellfish direct harvesting condemnation # 085-110 A &C(effective 20161013).	4A	Fecal Coliform	2008	L	0.126
Nassawadox Creek - Middle, N. Shore Tribs			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing		Fecal Coliform - Total Impaired Size by Water Type:	0.126		

Sources:

Livestock (Grazing or  
Feeding Operations)

Wastes from Pets

Waterfowl

Wildlife Other than  
Waterfowl

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C13E-22-SF

**Shields Cove & Fisher Cove**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 084-043 B, 11/16/2016.

City / County: Northampton Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is not supporting due to DSS shellfish direct harvesting condemnation # 084-043 B (effective 20111116). Not covered under TMDL for "Occohannock" (38189) EPA approved 6/7/2006. However will nest since SF impairment is within tidal range of Occohannock Creek TMDL, newly impaired segments are comparable and all existing sources are accounted for in the TMDL.(NESTED 2014:38189, 6/7/2006.)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C13E_OCH03A08 / Shields Cove & Fisher Cove / West of Belle Haven area. North and South shore tributaries of Occohannock Cr., NW of Youngs Pt. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 084-043 B & C (effective 20161116).	4A	Fecal Coliform	2008	L	0.087
Shields Cove & Fisher Cove			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing					
Fecal Coliform - Total Impaired Size by Water Type:			<b>0.087</b>		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C13R-01-BEN

**Taylor Branch - Occohannock Creek**

**Cause Location:** This cause encompasses Taylor Branch, from the confluence of two branches upstream of station downstream to the confluence with Occohannock Creek.

**City / County:** Accomack Co. Northampton Co.

**Use(s):** Aquatic Life

**Cause(s) / VA Category:** Benthic-Macroinvertebrate Bioassessments / 5A

The Aquatic Life Use is impaired due to impacts to the stream's benthic population. Assessment is based on biological benthic monitoring in 2010 using VCPMI scoring [2010\_IM: S=11.9, F=9.7] at DEQ (BIO) station @ 7-TLR000.75.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C13R_TLR01A08 / Taylor Branch - Occohannock Cr. / West of 5A Painter. Tributary to most upstream portion of Occohannock Creek, west of Town of Painter. From confluence of two branches upstream of station downstream to the confluence with Occohannock Creek.	Benthic-Macroinvertebrate Bioassessments	2008	L	2.31
Taylor Branch - Occohannock Creek		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>				
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:				<b>2.31</b>

**Sources:**

Source Unknown



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **C14E-01-BAC**

**Hungars Creek - Upper**

**Cause Location:** This cause encompasses the upper portion of Hungars Creek from end tidal waters downstream to Waterford Point (RM 1.8) @ confluence with Jacobus Creek.

**City / County:** Northampton Co.

**Use(s):** Recreation

**Cause(s) / VA Category:** Fecal Coliform / 4A

The Fecal Coliform impairment is retained from the 2006 IR as there are no Enterococci bacteria data to verify the assessment status. The Recreation Use is impaired based on exceedance (5 violates / 9 obs.) of the Fecal Coliform bacteria criteria (from 2006 IR) based on data from station 7-HUG004.40. NESTED: 35546, 4/30/2010

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C14E_HUG01A00 / Hungars Creek - Upper / Upper portion of Hungars Creek from end tidal waters downstream to Waterford Point (RM 1.8) @ confluence with Jacobus Cr. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 A (effective 20150827).	4A	Fecal Coliform	1998	L	0.138
Hungars Creek - Upper			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>		Fecal Coliform - Total Impaired Size by Water Type:	<b>0.138</b>		

**Sources:**

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C14E-11-SF

**Hungars Creek - Upper**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 086-136 A, 8/27/2015.

City / County: Northampton Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is not supporting due to DSS shellfish direct harvesting condemnation # 086-136 A. Previous (2006 IR) TMDL ID = VAT-C14E-01. No TMDL.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C14E_HUG01A00 / Hungars Creek - Upper / Upper portion of Hungars Creek from end tidal waters downstream to Waterford Point (RM 1.8) @ confluence with Jacobus Cr. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 A (effective 20150827).	4A Fecal Coliform	1998	L	0.138
Hungars Creek - Upper		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing	Fecal Coliform - Total Impaired Size by Water Type:		0.138	

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C14E-13-SF

**Mattawoman Creek - Upper**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 086-136 C, 8/27/2015.

City / County: Accomack Co. Northampton Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is not supporting due to DSS shellfish direct harvesting condemnation. The Shellfishing Use is impaired based on the DSS shellfish harvesting condemnation which is present. TMDL 38541 EPA Approved 5/6/2010; SWCB Approved 9/30/2012.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C14E_MAT01A06 / Mattawoman Creek - Upper / South of Wilsonia Neck. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 C (effective 20150827).	4A	Fecal Coliform	1998	L	0.155
Mattawoman Creek - Upper			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing		Fecal Coliform - Total Impaired Size by Water Type:	0.155		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C14E-14-SF

**The Gulf - Upper**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 087-174 A (effective 20150827).

City / County: Northampton Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

DSS shellfish direct harvesting condemnation # 087-174 A (effective 20150827). The Shellfishing Use is impaired due to the DSS shellfish harvesting condemnation which is present. Previous Use ID (2006 IR) as TMDL ID: VAT-C14E-14. This impairment is covered under TMDL for "The Gulf" (33770) VAT-C14E-14-SF, EPA approved 9/20/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C14E_THG01A06 / The Gulf - Upper / From end of tidal waters4A downstream to narrowing 0.45 mi. from mouth. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 087-174 A (effective 20150827).	Fecal Coliform	1998	L	0.090
The Gulf - Upper <b>Shellfishing</b>		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:		<b>0.090</b>		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C14E-16-SF

**Westerhouse Creek - Upper and Middle South Branch [TMDL]**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 085-199 A & B(effective 20130924).

City / County: Northampton Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

Portion DSS shellfish direct harvesting condemnation # 085-199 A (effective 20130924). Previous Use ID (2006 IR) as TMDL ID: VAT-C14E-16. Covered under TMDL for "Nassawadox Creek Watershed" (33777) EPA approved 9/20/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C14E_WHS02A06 / Westerhouse Creek - Upper South Branch [TMDL] / In Church Neck area, west of Bridgetown. Upper portion of Westerhouse Creek South Branch. Portion of CBP segment CB7PH. Portion DSS shellfish direct harvesting condemnation # 085-199 A (effective 20130924).	4A Fecal Coliform	1998	L	0.019
Westerhouse Creek - Upper and Middle South Branch [TMDL]		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing	Fecal Coliform - Total Impaired Size by Water Type:	0.019		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **C14E-18-SF**

**UT to Hungars Creek**

Cause Location: This cause encompasses the Northern trib between Great Neck and Sparrow Point. Restricted portion of SF.  
Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 E (effective 20150827).

City / County: Accomack Co. Northampton Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

Shellfish Use is impaired based on DSS shellfish direct harvesting condemnation # 086-136 E (effective 20150827).  
Not covered under TMDL for "Hungars Creek Watershed" (34370) EPA approved 4/30/2008. However will nest IN 2016 since  
SF impairment is within tidal range of Hungars Creek TMDL, newly impaired segments are comparable and all existing sources  
are accounted for in the TMDL.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C14E_HUG02B12 / UT to Hungars Creek / Northern trib between Great Neck and Sparrow Point. Restricted portion of SF. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 E (effective 20150827).	4A Fecal Coliform	2012	L	0.039

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UT to Hungars Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.039</b>		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C14E-19-SF

**Hungars Creek - Northern Trib**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 086-136 D (effective 20150827).

City / County: Accomack Co. Northampton Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

DSS shellfish direct harvesting condemnation # 086-136 D (effective 20150827). Not covered under TMDL for "Hungars Creek Watershed" (34370) EPA approved 4/30/2008. However will nest since SF impairment is within tidal range of Hungars Creek TMDL, newly impaired segments are comparable and all existing sources are accounted for in the TMDL. Segment was NESTED in the 2014 IR: 34370, 4/30/2008.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C14E_HUG02C14 / Hungars Creek - Northern Trib / Lower portion of Hungars Creek, Trib north of the mouth. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 D (effective 20150827).	4A	Fecal Coliform	2014	L	0.073
Hungars Creek - Northern Trib			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing		Fecal Coliform - Total Impaired Size by Water Type:	0.073		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **C15E-10-SF**

**Kings Creek - Upper Forks and Middle**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 088-139 A (20161227).

City / County: Northampton Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

Shellfishing Use is impaired due to the DSS shellfish direct harvesting condemnation # 088-139 A (effective 20161227).

Previous Use ID (2006 IR) as TMDL ID: VAT-C15E-10. This impairment is covered under TMDL for "Cherrystone Inlet" which includes Kings Creek (33772) VAT-C15E-10-SF, EPA approved 9/20/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C15E_KNS01A00 / Kings Creek - Upper Forks and Middle / From end of tidal waters downstream 0.16 mi. past confluence of the two most upstream forks. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 088-139 A (20161227).	4A	Fecal Coliform	1998	L	0.093
Kings Creek - Upper Forks and Middle			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>		Fecal Coliform - Total Impaired Size by Water Type:	<b>0.093</b>		

Sources:

Source Unknown



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C15E-14-SF

**Cherrystone Inlet - Eyrehall Cr**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 088-139 B(20161227).

City / County: Northampton Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 5A

Shellfish Use is impaired based on newly restricted area SF with DSS Condemnation # 088-139 B effective date 20161227. No TMDL.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C15E_CRS01B18 / Cherrystone Inlet - Eyrehall Cr / SE trib to Cherryston Inlet. Portion of CBP segment CB7PH. DSS Restricted shellfish direct harvesting condemnation # 088-139 B(20161227).	5A Fecal Coliform	2018	L	0.103
Cherrystone Inlet - Eyrehall Cr				
<b>Shellfishing</b>		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:		<b>0.103</b>		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** C16E-10-SF

**Old Plantation Creek - Upper [TMDL]**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 090-152A, 12/22/2015.

City / County: Northampton Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is not supporting due to the DSS shellfish harvesting condemnation # 090-152 A (effective 20151222). This impairment is covered under TMDL for "Old Plantation and Elliot Creeks" (33772) VAT-C16E-10-SF, EPA approved 8/30/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C16E_OPC01A06 / Old Plantation Creek - Upper [TMDL-bact] / Upper portion of Old Plantation Creek within TMDL-Bact (33771). CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 090-152 A (effective 20151222).	4A	Fecal Coliform	1998	L	0.044
Old Plantation Creek - Upper [TMDL] <b>Shellfishing</b>			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:			<b>0.044</b>		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **C16E-10-SF2**

**Old Plantation Creek - Upper**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 090-152 A,B,C 12/22/2015.

City / County: Northampton Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is not supporting due to the DSS shellfish harvesting condemnation # 090-152 A,B,C (effective 20151222). This impairment is NOT covered under TMDL for "Old Plantation and Elliot Creeks" (33771) VAT-C16E-10-SF, EPA approved 8/30/2007. However the impairment was nested in 2014 IR since SF impairment is within tidal range of Old Plantation and Elliot Creeks TMDL, newly impaired segments are comparable and all existing sources are accounted for in the TMDL.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C16E_OPC01B08 / Old Plantation Creek - Upper [No TMDL-bact] / Upper portion of Old Plantation Creek and one southeast embayment not within TMDL-Bact (33771). Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 090-152 A (effective 20151222).	4A	Fecal Coliform	2008	L	0.152
Old Plantation Creek - Upper			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>					
Fecal Coliform - Total Impaired Size by Water Type:			<b>0.152</b>		

Sources:

Source Unknown

# Fact Sheets for Impaired (Category 4 or 5) Waters in 2018

## Chesapeake Bay/Atlantic/Small Coastal Basins

**Cause Group Code:** CB5MH-DO-BAY      **Chesapeake Bay segment CB5MH**

**Cause Location:** This cause encompasses the complete CBP segment CB5MH.

**City / County:** Chesapeake Bay - County Not Applicable.      Northumberland Co.

**Use(s):** Aquatic Life      Deep-Water Aquatic Life      Open-Water Aquatic Life

**Cause(s) / VA Category:** Oxygen, Dissolved / 4A

The 30-day dissolved oxygen criteria for open water use (summer) and the 30-day dissolved oxygen criteria for deep water use failed for the 2018 assessment in segment CB5MH. There are insufficient data to assess remaining shorter-term dissolved oxygen criteria for the open water and deep water uses. The instantaneous oxygen criteria for deep channel use was met.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VACB-R01E-CB5 / Chesapeake Bay - VA portion of CBP Segment CB5MH / This assessment unit is the mainstem Chesapeake Bay portion of Chesapeake Bay Program segment CB5MH, located in the northern part of the Virginia mainstem Bay from the mouth of the Rappahannock River and northward. HUC: 02080101.	4A	Oxygen, Dissolved	2004	L	185.848
VAP-C01E_ASH01A10 / Ashleys Cove / Described in VDH-DSS condemnation 016-024D, 1/28/2005	4A	Oxygen, Dissolved	2016	L	0.056
CB5MH					
VAP-C01E_BEL01A08 / Bells Creek / Described in VDH condemnation 016-057B, 12/13/2006.	4A	Oxygen, Dissolved	2002	L	0.042
CB5MH					
VAP-C01E_BLS01A02 / Balls Creek / Described in the condemnation notice 89B, 5/28/1997.	4A	Oxygen, Dissolved	2006	L	0.064
CB5MH					
VAP-C01E_BLS02A08 / Balls Creek / Portion of condemnation notice 013-089F, 4/28/2016 not included in 89B, 5/28/1997.	4A	Oxygen, Dissolved	2006	L	0.113
CB5MH					
VAP-C01E_BRS01A08 / Barnes Creek / Tidal portion of Barnes Creek	4A	Oxygen, Dissolved	2008	L	0.331
CB5MH					
VAP-C01E_DIV01B12 / Dividing Creek / Portion of VDH-DSS condemnation 022, 2/27/1997 open on 015-022, 5/9/2016.	4A	Oxygen, Dissolved	2016	L	0.201
Shortened in the 2018 cycle.					
CB5MH					
VAP-C01E_DIV01C14 / Dividing Creek, UT / VDH-DSS condemnation 015-022G, 5/9/2016	4A	Oxygen, Dissolved	2018	L	0.009
CB5MH					
VAP-C01E_DIV03A00 / Dividing Creek / From the downstream limit of VDH-DSS SFC 022, 2/27/1997, to the mouth at Chesapeake Bay.	4A	Oxygen, Dissolved	2006	L	0.816

CB5MH

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

VAP-C01E_DYM02A00 / Dymer Creek / Dymer Creek downstream of VDH-DSS SFC 016-024A 1/28/2005, to start of deep water at Grog Island unless otherwise segmented.	4A	Oxygen, Dissolved	2016	L	0.595
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CB5MH

VAP-C01E_DYM03A06 / Dymer Creek / Mouth of Dymer Creek at Grog Island	4A	Oxygen, Dissolved	2006	L	0.090
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CB5MH

VAP-C01E_FLB01A00 / Fleets Bay / Fleets Bay north of Bluff Point at Barnes Creek south to Fleets Island.	4A	Oxygen, Dissolved	2002	L	5.187
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CB5MH

Size adjusted in 2006 cycle.

VAP-C01E_GEO01A98 / Georges Cove / Described in condemnation notice 016-024E, 1/28/2005.	4A	Oxygen, Dissolved	2016	L	0.034
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CB5MH

VAP-C01E_GOU01A06 / Gougher Creek / Described in VDH-DSS Shellfish Condemnation 013-220G, 4/28/2016	4A	Oxygen, Dissolved	2006	L	0.036
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CB5MH

VAP-C01E_GWR02A00 / Great Wicomico River / From VDH-DSS SFC 013-089A, 4/28/2016, downstream to Rogue Point unless otherwise segmented.	4A	Oxygen, Dissolved	2006	L	2.065
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CB5MH

VAP-C01E_GWR02B06 / Great Wicomico River / As described in VDH-DSS Shellfish Condemnation 013-089M2, 4/28/2018	4A	Oxygen, Dissolved	2016	L	0.017
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CB5MH

VAP-C01E_GWR02C06 / Great Wicomico River at Coles Creek / As described in VDH-DSS Shellfish Condemnation 013-089M1, 4/28/2016	4A	Oxygen, Dissolved	2006	L	0.008
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CB5MH

VAP-C01E_GWR02D12 / Great Wicomico River / VDH-DSS SFC 013-089M3, 4/28/2016	4A	Oxygen, Dissolved	2006	L	0.008
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CB5MH

VAP-C01E_GWR02E16 / Great Wicomico River, UT / Described in VDH-DSS condemnation 013-089H, 4/28/2016	4A	Oxygen, Dissolved	2006	L	0.033
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CB5MH

VAP-C01E_GWR03A06 / Great Wicomico River / From Rogue Point (GWR02A00) downstream to Ingram Bay at Dameron Marsh.	4A	Oxygen, Dissolved	2006	L	5.800
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CB5MH

VAP-C01E_HEN01A00 / Henrys Creek / Described in VDH condemnation 016-057D, 12/19/2016.	4A	Oxygen, Dissolved	2006	L	0.017
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Shrank in the 2018 cycle.

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

### CB5MH

VAP-C01E_HEN01B14 / Henrys Creek / Portion of VDH condemnation 016-057C, 1/28/2005 open on 12/19/2016.	4A	Oxygen, Dissolved	2006	L	0.053
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Expanded in the 2018 cycle.

### CB5MH

VAP-C01E_HEN02A14 / Henrys Creek / Downstream of 016-057C, 1/28/2005	4A	Oxygen, Dissolved	2006	L	0.103
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### CB5MH

VAP-C01E_HNT01A98 / Hunts Cove / Described in the condemnation notice 016-024B, 1/28/2005.	4A	Oxygen, Dissolved	2016	L	0.040
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### CB5MH

VAP-C01E_IND01A98 / Indian Creek / VDH-DSS condemnation notice 016-057E, 12/19/2016 (not administratively condemned) and 016-057C, 12/19/2016	4A	Oxygen, Dissolved	2016	L	0.147
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Shrank in the 2018 cycle.

### CB5MH

VAP-C01E_IND01B10 / Indian Creek / VDH-DSS condemnation notice 016-057A, 12/19/2016 (administratively condemned).	4A	Oxygen, Dissolved	2016	L	0.037
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### CB5MH

VAP-C01E_IND01C10 / Indian Creek / Downstream portion of condemnation notice 016-057A, 12/13/2006 open on 12/19/2016.	4A	Oxygen, Dissolved	2016	L	0.137
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### CB5MH

VAP-C01E_IND01D14 / Indian Creek / Described in condemnation notice 016-057M2, 12/19/2016.	4A	Oxygen, Dissolved	2016	L	0.131
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Expanded upstream in the 2018 cycle.

### CB5MH

VAP-C01E_IND01E16 / Indian Creek / Portion of condemnation notice 016-057A, 12/28/2012 that is open 12/19/2016.	4A	Oxygen, Dissolved	2016	L	0.040
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### CB5MH

VAP-C01E_IND03A00 / Indian Creek / Indian Creek from end of condemnation 016-057A, 12/13/2006, downstream to mouth unless otherwise segmented.	4A	Oxygen, Dissolved	2002	L	0.600
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### CB5MH

VAP-C01E_IND03B06 / Indian Creek / As described in VDH-DSS Seasonal Shellfish Condemnation 016-057M1, 12/19/2016	4A	Oxygen, Dissolved	2002	L	0.017
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### CB5MH

VAP-C01E_JOH01A06 / Johnson Creek / As described in VDH-DSS SFC 016-024C, 12/30/2015	4A	Oxygen, Dissolved	2016	L	0.029
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### CB5MH

VAP-C01E_MIL01B06 / Mill Creek / Mouth of Mill Creek at Ingram	4A	Oxygen, Dissolved	2006	L	1.173
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# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

Bay

CB5MH

VAP-C01E_PNT02A02 / Prentice Creek / Downstream of DSS condemnation 015-022E, 5/9/2016 to its mouth.	IA	Oxygen, Dissolved	2016	L	0.159
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CB5MH

VAP-C01E_PNT02B10 / Prentice Creek / Downstream limit of DSS condemnation 022C & D, 2/27/1997 to limit of 015-022E, 5/9/2016.	IA	Oxygen, Dissolved	2016	L	0.014
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CB5MH

VAP-C01E_TBS02A00 / Tabbs Creek / Tabbs Creek downstream of VDH-DSS SFC 016-133, 12/13/2006.	IA	Oxygen, Dissolved	2006	L	0.175
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CB5MH

Size adjusted in 2006 cycle.

VAP-C01E_WCO02A08 / Warehouse Creek / Portion of VDH condemnation notice 013-220A, 4/28/2016 not included in 89E, 5/28/1997	IA	Oxygen, Dissolved	2006	L	0.008
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CB5MH

VAP-C01E_XES01A12 / XES - Dividing Creek, UT / Described in the VDH-DSS condemnation 015-022D, 5/9/2016.	IA	Oxygen, Dissolved	2018	L	0.029
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CB5MH

Chesapeake Bay segment CB5MH

**Aquatic Life**

Oxygen, Dissolved - Total Impaired Size by Water Type:	<b>204.260</b>
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Estuary  
(Sq. Miles)

Reservoir  
(Acres)

River  
(Miles)

Sources:

Agriculture

Atmospheric Deposition -  
Nitrogen

Clean Sediments

Industrial Point Source  
Discharge

Internal Nutrient Recycling

Loss of Riparian Habitat

Municipal Point Source  
Discharges

Non-Point Source

Sources Outside State  
Jurisdiction or Borders

Wet Weather Discharges  
(Point Source and  
Combination of Stormwater,  
SSO or CSO)

# Fact Sheets for Impaired (Category 4 or 5) Waters in 2018

## Chesapeake Bay/Atlantic/Small Coastal Basins

**Cause Group Code:** **CB5MH-EBEN-BAY** **Chesapeake Bay segment CB5MH**

Cause Location: This cause encompasses the complete CBP segment CB5MH.

City / County: Chesapeake Bay - County Not Applicable. Northumberland Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Estuarine Bioassessments / 5A

The benthic assessment is based on 18 estuarine benthic samples over a 6 year period. Benthic Assessment Analysis performed by ODU in 2018.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VACB-R01E-CB5 / Chesapeake Bay - VA portion of CBP Segment CB5MH / This assessment unit is the mainstem Chesapeake Bay portion of Chesapeake Bay Program segment CB5MH, located in the northern part of the Virginia mainstem Bay from the mouth of the Rappahannock River and northward. HUC: 02080101.	5A	Estuarine Bioassessments	2004	L	185.848
VAP-C01E_FLB01A00 / Fleets Bay / Fleets Bay north of Bluff Point at Barnes Creek south to Fleets Island.	5A	Estuarine Bioassessments	2018	L	5.187

CB5MH

Size adjusted in 2006 cycle.

Chesapeake Bay segment CB5MH	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>			
Estuarine Bioassessments - Total Impaired Size by Water Type:	<b>191.035</b>		

Sources:

Source Unknown



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **CB5MH-SAV-BAY**    **Chesapeake Bay segment CB5MH**

Cause Location: This cause encompasses the complete CBP segment CB5MH.

City / County: Chesapeake Bay - County Not Applicable.    Northumberland Co.

Use(s): Aquatic Life                      Shallow-Water Submerged  
   Aquatic Vegetation

Cause(s) / VA Category: Aquatic Plants (Macrophytes) / 4A

Submerged Aquatic Vegetation acres goal is 7,633 acres but only 16% was attained found in the most recent 3 years according to aerial analysis of SAV. Only 69% of water clarity goal met according to 2013 and 2014 Dataflow surveys.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VACB-R01E-CB5 / Chesapeake Bay - VA portion of CBP Segment CB5MH / This assessment unit is the mainstem Chesapeake Bay portion of Chesapeake Bay Program segment CB5MH, located in the northern part of the Virginia mainstem Bay from the mouth of the Rappahannock River and northward. HUC: 02080101.	4A	Aquatic Plants (Macrophytes)	2006	L	185.848
VAP-C01E_ANT01A98 / Antipoison Creek / Described in the condemnation notice 017-188A, 12/16/2014.	4A	Aquatic Plants (Macrophytes)	2006	L	0.042
CB5MH					
VAP-C01E_ANT01B08 / Antipoison Creek, UT / Described in the condemnation notice 017-188C, 12/16/2014.	4A	Aquatic Plants (Macrophytes)	2006	L	0.004
CB5MH					
VAP-C01E_ANT01C08 / Antipoison Creek, UT / Described in the condemnation notice 017-188B, 12/16/2014.	4A	Aquatic Plants (Macrophytes)	2006	L	0.013
CB5MH					
VAP-C01E_ANT02A08 / Antipoison Creek / Downstream of condemnation notice 017-188A, 12/16/2014.	4A	Aquatic Plants (Macrophytes)	2006	L	0.361
CB5MH					
VAP-C01E_ANT02B12 / Antipoison Creek / Described in condemnation notice 017-188M1, 12/16/2014.	4A	Aquatic Plants (Macrophytes)	2006	L	0.007
CB5MH					
VAP-C01E_ASH01A10 / Ashleys Cove / Described in VDH-DSS condemnation 016-024D, 1/28/2005	4A	Aquatic Plants (Macrophytes)	2006	L	0.056
CB5MH					
VAP-C01E_BAI01A16 / Bailey Prong / Described in VDH-DSS condemnation 013-220H, 4/1/2014.	4A	Aquatic Plants (Macrophytes)	2006	L	0.052
CB5MH					
VAP-C01E_BAL01A02 / Ball Creek / VDH condemnation notice 014-124B, 5/15/2001	4A	Aquatic Plants (Macrophytes)	2006	L	0.080
CB5MH					
VAP-C01E_BAL02A02 / Ball Creek / From VDH-DSS SFC 014-124B, 5/15/2001, downstream to its mouth.	4A	Aquatic Plants (Macrophytes)	2006	L	0.128

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

CB5MH

VAP-C01E_BAR01A98 / Barrett Creek / Described in the condemnation notice, 013-089I, 7/31/2012.	4A	Aquatic Plants (Macrophytes)	2006	L	0.038
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CB5MH

VAP-C01E_BAR02A08 / Barrett Creek / Described in VDH-DSS SFC 013-089H, 7/31/2012	4A	Aquatic Plants (Macrophytes)	2006	L	0.008
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CB5MH

VAP-C01E_BEL01A08 / Bells Creek / Described in VDH condemnation 016-057B, 12/13/2006.	4A	Aquatic Plants (Macrophytes)	2006	L	0.042
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CB5MH

VAP-C01E_BLS01A02 / Balls Creek / Described in the condemnation notice 89B, 5/28/1997.	4A	Aquatic Plants (Macrophytes)	2006	L	0.064
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CB5MH

VAP-C01E_BLS02A08 / Balls Creek / Portion of condemnation notice 013-089F, 4/28/2016 not included in 89B, 5/28/1997.	4A	Aquatic Plants (Macrophytes)	2006	L	0.113
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CB5MH

VAP-C01E_BMC01A04 / Betts Mill Creek / Described in the VDH Shellfish Condemnation 013-089B, 4/28/2016	4A	Aquatic Plants (Macrophytes)	2006	L	0.082
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CB5MH

VAP-C01E_BMS01A12 / Bush Mill Stream / Tidal limit to mouth at Great Wicomico River	4A	Aquatic Plants (Macrophytes)	2006	L	0.095
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CB5MH

VAP-C01E_BRS01A08 / Barnes Creek / Tidal portion of Barnes Creek	4A	Aquatic Plants (Macrophytes)	2006	L	0.331
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CB5MH

VAP-C01E_CHA01A08 / Dymer Creek, UT / Described in condemnation notice 016-024B, 12/30/2015.	4A	Aquatic Plants (Macrophytes)	2006	L	0.018
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CB5MH

VAP-C01E_CHA01B12 / Chases Cove / Described in condemnation notices 016-024D, 12/30/2015	4A	Aquatic Plants (Macrophytes)	2006	L	0.023
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CB5MH

VAP-C01E_CLE01A98 / Cloverdale Creek / Described in the condemnation notice 014-124A, 6/2/1997.	4A	Aquatic Plants (Macrophytes)	2006	L	0.021
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CB5MH

VAP-C01E_CLE02A06 / Cloverdale Creek / Downstream of condemnation notice 014-124A, 6/2/1997.	4A	Aquatic Plants (Macrophytes)	2006	L	0.055
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CB5MH

VAP-C01E_COC01A98 / Cockrell Creek / As described in VDH-DSS Shellfish Condemnation 012-002B, 9/22/2005.	4A	Aquatic Plants (Macrophytes)	2006	L	0.612
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# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

CB5MH

VAP-C01E_COC03A98 / Cockrell Creek / Described in the condemnation notice. VDH-DSS SFC 012-002C, 9/22/2005.	IA	Aquatic Plants (Macrophytes)	2006	L	0.035
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CB5MH

VAP-C01E_COC04B10 / Cockrell Creek / VDH-DSS Condemnation Notice 012-002A, 9/22/2005	IA	Aquatic Plants (Macrophytes)	2006	L	0.470
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CB5MH

VAP-C01E_COC05A06 / Cockrell Creek / From VDH-DSS SFC 012-002A, 9/22/2005, downstream to mouth at Fleet Point.	IA	Aquatic Plants (Macrophytes)	2006	L	0.152
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CB5MH

VAP-C01E_COL01A08 / Coles Creek / Described in VDH-DSS SFC 013-089C, 4/28/2016	IA	Aquatic Plants (Macrophytes)	2006	L	0.019
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CB5MH

VAP-C01E_CRN01A06 / Cranes Creek / Described in VDH-DSS Shellfish Condemnation 013-220C, 4/28/2016	IA	Aquatic Plants (Macrophytes)	2006	L	0.019
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CB5MH

VAP-C01E_CRN01B06 / Cranes Creek / Described in VDH-DSS Shellfish Condemnation 013-220M1, 8/9/2011	IA	Aquatic Plants (Macrophytes)	2006	L	0.016
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CB5MH

VAP-C01E_DIV01A98 / Dividing Creek / Described in VDH-DSS condemnation 015-022A, 5/9/2016.	IA	Aquatic Plants (Macrophytes)	2006	L	0.091
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Segment expanded in the 2018 cycle.

VAP-C01E_DIV01B12 / Dividing Creek / Portion of VDH-DSS condemnation 022, 2/27/1997 open on 015-022, 5/9/2016.	IA	Aquatic Plants (Macrophytes)	2006	L	0.201
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Shortened in the 2018 cycle.

CB5MH

VAP-C01E_DIV01C14 / Dividing Creek, UT / VDH-DSS condemnation 015-022G, 5/9/2016	IA	Aquatic Plants (Macrophytes)	2006	L	0.009
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CB5MH

VAP-C01E_DIV03A00 / Dividing Creek / From the downstream limit of VDH-DSS SFC 022, 2/27/1997, to the mouth at Chesapeake Bay.	IA	Aquatic Plants (Macrophytes)	2006	L	0.816
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CB5MH

VAP-C01E_DVN01A04 / Davenport Creek / Described in VDH Shellfish Condemnation 017-188A, 5/12/2012.	IA	Aquatic Plants (Macrophytes)	2006	L	0.019
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CB5MH

VAP-C01E_DYM01A98 / Dymer Creek / Described in the condemnation notice 016-024A, 12/30/2015.	IA	Aquatic Plants (Macrophytes)	2006	L	0.177
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Shrank in 2018 cycle.

CB5MH

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

VAP-C01E\_DYM02A00 / Dymer Creek / Dymer Creek downstream of VDH-DSS SFC 016-024A 1/28/2005, to start of deep water at Grog Island unless otherwise segmented. 4A Aquatic Plants (Macrophytes) 2006 L 0.595

CB5MH

VAP-C01E\_DYM02B14 / Dymer Creek / Portion of VDH-DSS SFC 016-024A 1/28/2005 open 12/30/2015. 4A Aquatic Plants (Macrophytes) 2006 L 0.135

Expanded in the 2018 cycle.

CB5MH

VAP-C01E\_DYM03A06 / Dymer Creek / Mouth of Dymer Creek at Grog Island 4A Aquatic Plants (Macrophytes) 2006 L 0.090

CB5MH

VAP-C01E\_FLB01A00 / Fleets Bay / Fleets Bay north of Bluff Point at Barnes Creek south to Fleets Island. 4A Aquatic Plants (Macrophytes) 2006 L 5.187

CB5MH

Size adjusted in 2006 cycle.

VAP-C01E\_GEO01A98 / Georges Cove / Described in condemnation notice 016-024E, 1/28/2005. 4A Aquatic Plants (Macrophytes) 2006 L 0.034

CB5MH

VAP-C01E\_GOU01A06 / Gougher Creek / Described in VDH-DSS Shellfish Condemnation 013-220G, 4/28/2016 4A Aquatic Plants (Macrophytes) 2006 L 0.036

CB5MH

VAP-C01E\_GSK01A10 / Gaskin Pond / As described in VDH-DSS condemnation 011-122A, 8/31/2016 4A Aquatic Plants (Macrophytes) 2006 L 0.061

Size reduced in the 2018 cycle.

VAP-C01E\_GWR01A98 / Great Wicomico River / Portion of condemnation notice 089A, 5/28/1997 which is not administratively closed, excluding Head River Branch and Bush Mill Stream 4A Aquatic Plants (Macrophytes) 2006 L 0.268

CB5MH

VAP-C01E\_GWR01B08 / Great Wicomico River / Blackwells Creek / Portion of condemnations 013-089A & 013-089G, 4/28/2016 not included in 089A, 5/28/1997 4A Aquatic Plants (Macrophytes) 2006 L 0.125

CB5MH

VAP-C01E\_GWR01C10 / Great Wicomico River / Portion of condemnation notice 089A, 5/28/1997 which is administratively closed 4A Aquatic Plants (Macrophytes) 2006 L 0.058

CB5MH

VAP-C01E\_GWR02A00 / Great Wicomico River / From VDH-DSS SFC 013-089A, 4/28/2016, downstream to Rogue Point unless otherwise segmented. 4A Aquatic Plants (Macrophytes) 2006 L 2.065

CB5MH

VAP-C01E\_GWR02B06 / Great Wicomico River / As described in VDH-DSS Shellfish Condemnation 013-089M2, 4/28/2018 4A Aquatic Plants (Macrophytes) 2006 L 0.017

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

CB5MH

VAP-C01E_GWR02C06 / Great Wicomico River at Coles Creek / As described in VDH-DSS Shellfish Condemnation 013-089M1, 4/28/2016	4A	Aquatic Plants (Macrophytes)	2006	L	0.008
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CB5MH

VAP-C01E_GWR02D12 / Great Wicomico River / VDH-DSS SFC 013-089M3, 4/28/2016	4A	Aquatic Plants (Macrophytes)	2006	L	0.008
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CB5MH

VAP-C01E_GWR02E16 / Great Wicomico River, UT / Described in VDH-DSS condemnation 013-089H, 4/28/2016	4A	Aquatic Plants (Macrophytes)	2006	L	0.033
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CB5MH

VAP-C01E_GWR03A06 / Great Wicomico River / From Rogue Point (GWR02A00) downstream to Ingram Bay at Dameron Marsh.	4A	Aquatic Plants (Macrophytes)	2006	L	5.800
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CB5MH

VAP-C01E_GWR03B16 / Great Wicomico River / Described in VDH DSS condemnation 013-220F, 4/28/2016	4A	Aquatic Plants (Macrophytes)	2006	L	0.004
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CB5MH

VAP-C01E_HAP01B10 / Harpers Creek / Described in the condemnation notice 017-188M2. 12/16/2014.	4A	Aquatic Plants (Macrophytes)	2006	L	0.022
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CB5MH

VAP-C01E_HAV01A08 / Harveys Creek / Described in VDH Shellfish Condemnation 014-123B, 5/9/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.045
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CB5MH

VAP-C01E_HEN01A00 / Henrys Creek / Described in VDH condemnation 016-057D, 12/19/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.017
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Shrank in the 2018 cycle.

CB5MH

VAP-C01E_HEN01B14 / Henrys Creek / Portion of VDH condemnation 016-057C, 1/28/2005 open on 12/19/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.053
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Expanded in the 2018 cycle.

CB5MH

VAP-C01E_HEN02A14 / Henrys Creek / Downstream of 016-057C, 1/28/2005	4A	Aquatic Plants (Macrophytes)	2006	L	0.103
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CB5MH

VAP-C01E_HHB01A98 / Horn Harbor / Described in the condemnation notice 013-089D, 4/28/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.071
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CB5MH

VAP-C01E_HNT01A98 / Hunts Cove / Described in the condemnation notice 016-024B, 1/28/2005.	4A	Aquatic Plants (Macrophytes)	2006	L	0.040
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# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

CB5MH

VAP-C01E_HRB01A12 / Head River Branch / Tidal limit to mouth at Bush Mill Stream.	4A	Aquatic Plants (Macrophytes)	2006	L	0.020
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CB5MH

VAP-C01E_IND01A98 / Indian Creek / VDH-DSS condemnation notice 016-057E, 12/19/2016 (not administratively condemned) and 016-057C, 12/19/2016	4A	Aquatic Plants (Macrophytes)	2006	L	0.147
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Shrank in the 2018 cycle.

CB5MH

VAP-C01E_IND01B10 / Indian Creek / VDH-DSS condemnation notice 016-057A, 12/19/2016 (administratively condemned).	4A	Aquatic Plants (Macrophytes)	2006	L	0.037
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CB5MH

VAP-C01E_IND01C10 / Indian Creek / Downstream portion of condemnation notice 016-057A, 12/13/2006 open on 12/19/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.137
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CB5MH

VAP-C01E_IND01D14 / Indian Creek / Described in condemnation notice 016-057M2, 12/19/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.131
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Expanded upstream in the 2018 cycle.

CB5MH

VAP-C01E_IND01E16 / Indian Creek / Portion of condemnation notice 016-057A, 12/28/2012 that is open 12/19/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.040
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CB5MH

VAP-C01E_IND02A98 / Indian Creek / Described in the condemnation notice 016-057F, 12/19/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.015
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CB5MH

VAP-C01E_IND03A00 / Indian Creek / Indian Creek from end of condemnation 016-057A, 12/13/2006, downstream to mouth unless otherwise segmented.	4A	Aquatic Plants (Macrophytes)	2006	L	0.600
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CB5MH

VAP-C01E_IND03B06 / Indian Creek / As described in VDH-DSS Seasonal Shellfish Condemnation 016-057M1, 12/19/2016	4A	Aquatic Plants (Macrophytes)	2006	L	0.017
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CB5MH

VAP-C01E_JAR01A02 / Jarvis Creek, UT / As described in the condemnation notice 015-022F, 5/5/2014.	4A	Aquatic Plants (Macrophytes)	2006	L	0.026
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CB5MH

VAP-C01E_JAR01B08 / Jarvis Creek / As described in VDH-DSS condemnation 015-022H, 5/9/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.016
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CB5MH

VAP-C01E_JAR02A10 / Jarvis Creek / Downstream of VDH condemnations	4A	Aquatic Plants (Macrophytes)	2006	L	0.200
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# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

CB5MH

VAP-C01E_JOH01A06 / Johnson Creek / As described in VDH-DSS SFC 016-024C, 12/30/2015	4A	Aquatic Plants (Macrophytes)	2006	L	0.029
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CB5MH

VAP-C01E_LEE01A02 / Lees Cove / As described in the condemnation notice 016-024C, 1/28/2005	4A	Aquatic Plants (Macrophytes)	2006	L	0.015
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CB5MH

VAP-C01E_LEE02A12 / Lees Cove / Portion of VDH-DSS SFC 016-4A 024B, 12/16/2014 not impaired in 016-024C, 1/28/2005.		Aquatic Plants (Macrophytes)	2006	L	0.010
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CB5MH

VAP-C01E_LOC01A08 / Long Creek / Described in VDH condemnation 016-057D, 12/13/2006.	4A	Aquatic Plants (Macrophytes)	2006	L	0.017
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CB5MH

VAP-C01E_LRC01A12 / Lawrence Cove / Described in the VDH-DSS condemnation 015-022B, 5/9/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.744
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Shortened slightly in the 2018 cycle.

CB5MH

VAP-C01E_LTB01A02 / Little Bay / Little Bay	4A	Aquatic Plants (Macrophytes)	2006	L	1.178
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CB5MH

VAP-C01E_LTM01A98 / Little Taskmakers Creek / Described in the 4A condemnation notice 011-190B, 7/24/2014.	4A	Aquatic Plants (Macrophytes)	2006	L	0.049
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CB5MH

VAP-C01E_MIL01A98 / Mill Creek / Described in the condemnation notice 123, 6/2/1997	4A	Aquatic Plants (Macrophytes)	2006	L	0.241
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CB5MH

VAP-C01E_MIL01B06 / Mill Creek / Mouth of Mill Creek at Ingram Bay	4A	Aquatic Plants (Macrophytes)	2006	L	1.173
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CB5MH

VAP-C01E_MIL02A08 / Mill Creek / Portion of VDH Condemnation 014-123A, 5/9/2016 not included in the notice 123, 6/2/1997	4A	Aquatic Plants (Macrophytes)	2006	L	0.135
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CB5MH

VAP-C01E_MIL03A08 / Mill Creek / Middle Mill Creek downstream of condemnation to Ingrams Bay	4A	Aquatic Plants (Macrophytes)	2006	L	0.356
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CB5MH

VAP-C01E_NPC01A16 / Natty Point Cove / Described in VDH-DSS condemnation 015-022C, 5/9/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.018
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CB5MH

VAP-C01E_OHC01A08 / Old House Cove / Described in VDH-DSS SFC 015-022F, 5/9/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.024
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# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

CB5MH

VAP-C01E_OWP01A98 / Owens Pond / Downstream of VDH-DSS condemnations 011-122B and 011-122C, 8/31/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.076
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CB5MH

VAP-C01E_OWP02B12 / Owens Pond / VDH-DSS condemnation 011-122B, 8/31/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.037
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CB5MH

VAP-C01E_OWP02C12 / Owens Pond / VDH-DSS condemnation 011-122C, 8/31/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.073
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CB5MH

VAP-C01E_OYS01A08 / Oyster Creek / Described in VDH condemnation 018-053A, 1/4/2005	4A	Aquatic Plants (Macrophytes)	2006	L	0.103
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CB5MH

VAP-C01E_PEN01A12 / Penny Creek / Described in VDH-DSS Condemnation 013-220D, 4/28/2016	4A	Aquatic Plants (Macrophytes)	2006	L	0.009
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CB5MH

VAP-C01E_PIT01A14 / Pitmans Cove / Described in condemnation notice 016-057B, 12/19/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.035
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CB5MH

VAP-C01E_PNT02A02 / Prentice Creek / Downstream of DSS condemnation 015-022E, 5/9/2016 to its mouth.	4A	Aquatic Plants (Macrophytes)	2006	L	0.159
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CB5MH

VAP-C01E_PNT02B10 / Prentice Creek / Downstream limit of DSS condemnation 022C & D, 2/27/1997 to limit of 015-022E, 5/9/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.014
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CB5MH

VAP-C01E_PNT03A02 / Prentice Creek / Described in condemnation notice 022D, 2/27/1997.	4A	Aquatic Plants (Macrophytes)	2006	L	0.015
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CB5MH

VAP-C01E_REA01A10 / Reason Creek / Described in VDH-DSS condemnation 013-220C, 8/23/2010	4A	Aquatic Plants (Macrophytes)	2006	L	0.025
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CB5MH

VAP-C01E_TBS01A14 / Tabbs Creek, UT / Described in VDH-DSS condemnation notice 016-133B, 12/28/2012	4A	Aquatic Plants (Macrophytes)	2006	L	0.016
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CB5MH

VAP-C01E_TBS01A98 / Tabbs Creek / Described in VDH-DSS condemnation notice 016-133A, 12/19/2016	4A	Aquatic Plants (Macrophytes)	2006	L	0.054
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Segment shrunk in the 2018 cycle.



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

CB5MH

VAP-C01E_TBS01B10 / Tabbs Creek / Portion of the condemnation notice 016-133A, 12/13/2006 open on 12/19/2016.	IA	Aquatic Plants (Macrophytes)	2006	L	0.123
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Size increased in the 2018 cycle.

CB5MH

VAP-C01E_TBS02A00 / Tabbs Creek / Tabbs Creek downstream of VDH-DSS SFC 016-133, 12/13/2006.	IA	Aquatic Plants (Macrophytes)	2006	L	0.175
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CB5MH

Size adjusted in 2006 cycle.

VAP-C01E_TIP01A98 / Tipers Creek / Described in the condemnation notice 89C, 5/28/1997	IA	Aquatic Plants (Macrophytes)	2006	L	0.083
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CB5MH

VAP-C01E_TIP02A08 / Tipers Creek / Portion of condemnation notice 013-089E, 4/28/2016 not included in 89C, 5/28/1997	IA	Aquatic Plants (Macrophytes)	2006	L	0.039
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CB5MH

VAP-C01E_TOW01A06 / Towles Creek / Described in VDH-DSS Shellfish Condemnation 014-123M1, 5/9/2016.	IA	Aquatic Plants (Macrophytes)	2006	L	0.027
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CB5MH

VAP-C01E_TSK01A14 / Taskmakers Creek / As described in VDH-DSS condemnation 011-190C, 10/10/2012	IA	Aquatic Plants (Macrophytes)	2006	L	0.021
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CB5MH

VAP-C01E_WCO01A98 / Warehouse Creek / Described in the condemnation notice 89E, 5/28/1997	IA	Aquatic Plants (Macrophytes)	2006	L	0.069
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CB5MH

VAP-C01E_WCO02A08 / Warehouse Creek / Portion of VDH condemnation notice 013-220A, 4/28/2016 not included in 89E, 5/28/1997	IA	Aquatic Plants (Macrophytes)	2006	L	0.008
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CB5MH

VAP-C01E_WHY01A98 / Whays Creek / Described in the condemnation notice 089D, 4/3/2002	IA	Aquatic Plants (Macrophytes)	2006	L	0.041
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CB5MH

VAP-C01E_WHY03A10 / Whays Creek / Downstream of condemnation notice 089D, 4/3/2002.	IA	Aquatic Plants (Macrophytes)	2006	L	0.099
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CB5MH

VAP-C01E_XDL01A02 / XDL - Chesapeake Bay, UT (aka Big Fleets Pond) / As described in condemnation notice 011-190A, 7/24/2014.	IA	Aquatic Plants (Macrophytes)	2006	L	0.018
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CB5MH

VAP-C01E_XDZ01A10 / XDZ - Mill Creek, UT (Gascony Cove) / Tidal limit to mouth at Mill Creek	IA	Aquatic Plants (Macrophytes)	2006	L	0.028
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# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

VAP-C01E_XEO01A10 / XEO - Reason Creek, UT / Described in VDH-DSS Condemnation 013-220E, 4/28/2016	4A	Aquatic Plants (Macrophytes)	2006	L	0.001
CB5MH					
VAP-C01E_XES01A12 / XES - Dividing Creek, UT / Described in the VDH-DSS condemnation 015-022D, 5/9/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.029
CB5MH					
VAP-C01E_XEU01A02 / XEU - Prentice Creek, UT / Described in the condemnation notice 022C, 2/27/1997	4A	Aquatic Plants (Macrophytes)	2006	L	0.011
CB5MH					
VAP-C01E_XEV01A12 / XEV - Mill Creek, UT / Described in VDH-DSS condemnation 014-123C, 5/9/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.007
CB5MH					
VAP-C01E_XEW01A14 / XEW - Chesapeake Bay, UT / Tidal limit to mouth	4A	Aquatic Plants (Macrophytes)	2006	L	0.022
VAP-C01E_XFC02C12 / XFC - Antipoison Creek, UT / Described in VDH-DSS condemnation 017-188D, 12/16/2014.	4A	Aquatic Plants (Macrophytes)	2006	L	0.002
CB5MH					
VAP-C01E_XUC01A98 / XUC - Dividing Creek, UT / Described in the condemnation notice 015-022C, 4/17/2008.	4A	Aquatic Plants (Macrophytes)	2006	L	0.013
CB5MH					
VAP-C01E_ZZZ01B14 / Unsegmented estuaries in C01 / Unsegmented portion of watershed CB03.	4A	Aquatic Plants (Macrophytes)	2006	L	0.058
CB5MH					
VAP-C01E_ZZZ01C14 / Unsegmented estuaries in C01 / Unsegmented portion of watershed CB04.	4A	Aquatic Plants (Macrophytes)	2006	L	0.823
CB5MH					
VAP-C01E_ZZZ01D14 / Unsegmented estuaries in C01 / Unsegmented portion of watershed CB05.	4A	Aquatic Plants (Macrophytes)	2006	L	0.034
CB5MH					

Chesapeake Bay segment CB5MH

### **Shallow-Water Submerged Aquatic Vegetation**

Aquatic Plants (Macrophytes) - Total Impaired Size by Water Type: **212.707**

Estuary  
(Sq. Miles)

Reservoir  
(Acres)

River  
(Miles)

#### Sources:

Agriculture	Atmospheric Deposition - Nitrogen	Clean Sediments	Industrial Point Source Discharge
Internal Nutrient Recycling	Loss of Riparian Habitat	Municipal Point Source Discharges	Non-Point Source
Sediment Resuspension (Clean Sediment)	Sources Outside State Jurisdiction or Borders	Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)	

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **CB6PH-DO-BAY**      **Chesapeake Bay segment CB6PH**

Cause Location: This cause encompasses the complete CBP segment CB6PH.

City / County: Chesapeake Bay - County Not Applicable.

Use(s): Aquatic Life                      Deep-Water Aquatic Life                      Open-Water Aquatic Life

Cause(s) / VA Category: Oxygen, Dissolved / 4A                      Oxygen, Dissolved / 4D

The 30-day dissolved oxygen criteria for open water use meets for the 2018 assessment. The 30-day dissolved oxygen criteria also meets for the deep water use, but because there are insufficient data to assess the remaining shorter-term dissolved oxygen criteria for both of these uses, it is classified as having insufficient data.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VACB-R01E-CB6N / Chesapeake Bay - Northern portion of CBP Segment CB6PH / This assessment unit is the mainstem northern portion of Chesapeake Bay Program segment CB6PH, located in the northeastern half of the Virginia Chesapeake Bay between the mouths of the James and Rappahannock Rivers. HUC: 02080101.	4A	Oxygen, Dissolved	2006	L	127.195
VACB-R01E-CB6S / Chesapeake Bay - Southern portion of CBP Segment CB6PH / This assessment unit is the mainstem southern portion of Chesapeake Bay Program segment CB6PH, located in the northeastern half of the Virginia Chesapeake Bay between the mouths of the James and Rappahannock Rivers. HUC: 02080101.	4D	Oxygen, Dissolved	2006	L	160.307
Chesapeake Bay segment CB6PH			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life		Oxygen, Dissolved - Total Impaired Size by Water Type:	287.502		

### Sources:

Agriculture	Atmospheric Deposition - Nitrogen	Industrial Point Source Discharge	Internal Nutrient Recycling
Loss of Riparian Habitat	Municipal Point Source Discharges	Non-Point Source	Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **CB6PH-SAV-BAY**      **Chesapeake Bay segment CB6PH**

Cause Location: This cause encompasses the complete CBP segment CB6PH.

City / County: Chesapeake Bay - County Not Applicable.

Use(s): Aquatic Life      Shallow-Water Submerged  
Aquatic Vegetation

Cause(s) / VA Category: Aquatic Plants (Macrophytes) / 4A

Submerged Aquatic Vegetation acres goal is 1,268 acres but only 42% was attained found in the most recent 3 years according to aerial analysis of SAV. Only 88% of water clarity goal met according to 2012 Dataflow survey (the other surveys out are outside of the assessment period).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VACB-R01E-CB6N / Chesapeake Bay - Northern portion of CBP Segment CB6PH / This assessment unit is the mainstem northern portion of Chesapeake Bay Program segment CB6PH, located in the northeastern half of the Virginia Chesapeake Bay between the mouths of the James and Rappahannock Rivers. HUC: 02080101.	4A	Aquatic Plants (Macrophytes)	2006	L	127.195
VACB-R01E-CB6S / Chesapeake Bay - Southern portion of CBP Segment CB6PH / This assessment unit is the mainstem southern portion of Chesapeake Bay Program segment CB6PH, located in the northeastern half of the Virginia Chesapeake Bay between the mouths of the James and Rappahannock Rivers. HUC: 02080101.	4A	Aquatic Plants (Macrophytes)	2006	L	160.307
VAP-C04E_BOR01A18 / Borum Creek / Described in VDH-DSS condemnation 039-026C, 3/7/2016.	4A	Aquatic Plants (Macrophytes)	2016	L	0.028
CB6PH					
VAP-C04E_DOC01A98 / Doctors Creek / Portion of VDH condemnation notice 26B, 2/25/1997 open in 039-026, 3/7/2016.	4A	Aquatic Plants (Macrophytes)	2016	L	0.010
CB6PH					
VAP-C04E_DOC01B14 / Doctors Creek / Described in VDH-DSS condemnation notice 039-026B, 3/7/2016.	4A	Aquatic Plants (Macrophytes)	2016	L	0.005
CB6PH					
VAP-C04E_DYE01A08 / Dyer Creek / Described in VDH-DSS Condemnation 039-100A, 2/24/2011.	4A	Aquatic Plants (Macrophytes)	2016	L	0.015
CB6PH					
VAP-C04E_DYE02A04 / Dyer Creek / Downstream limit of condemnation to mouth.	4A	Aquatic Plants (Macrophytes)	2016	L	0.272
CB6PH					
VAP-C04E_GDN01A06 / Garden Creek / Tidal limit to mouth.	4A	Aquatic Plants (Macrophytes)	2016	L	0.373
CB6PH					
VAP-C04E_HAH01A98 / Horn Harbor / Described in VDH condemnation notices 039-026A and -026E, 3/7/2016.	4A	Aquatic Plants (Macrophytes)	2016	L	0.146

Size increased in the 2018 cycle.

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

CB6PH

VAP-C04E_HAH02A02 / Horn Harbor / From VDH-DSS condemnation 26A, 2/25/1997 downstream to the mouth, unless otherwise segmented.	4A	Aquatic Plants (Macrophytes)	2016	L	1.474
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CB6PH

VAP-C04E_HAH02B12 / Horn Harbor, UT / Described in VDH-DSS condemnation 039-026M2, 3/7/2016.	4A	Aquatic Plants (Macrophytes)	2016	L	0.004
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CB6PH

VAP-C04E_HAH02C12 / Horn Harbor / Portion of VDH-DSS condemnation 26A, 2/25/1997 open in the 039-026, 3/7/2016 condemnation.	4A	Aquatic Plants (Macrophytes)	2016	L	0.054
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Size reduced in the 2018 cycle.

CB6PH

VAP-C04E_HAH02D18 / Horn Harbor, UT / Described in VDH-DSS condemnation 039-026D, 3/7/2016.	4A	Aquatic Plants (Macrophytes)	2016	L	0.005
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CB6PH

VAP-C04E_HAH03A06 / Horn Harbor / Described in VDH-DSS SFC 039-026M1, 3/7/2016.	4A	Aquatic Plants (Macrophytes)	2016	L	0.035
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Size decreased in the 2018 cycle.

CB6PH

VAP-C04E_HAH04A06 / Horn Harbor, UT (Jacks Creek) / Described in VDH Shellfish Condemnation 039-100M1, 3/6/2013.	4A	Aquatic Plants (Macrophytes)	2016	L	0.016
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CB6PH

VAP-C04E_WIN01A06 / Winter Harbor, UT / Described in the condemnation notice 038-178B, 3/7/2016.	4A	Aquatic Plants (Macrophytes)	2016	L	0.108
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Expanded in the 2018 cycle.

CB6PH

VAP-C04E_WIN01B00 / Winter Harbor / Lower Winter Harbor, not otherwise segmented.	4A	Aquatic Plants (Macrophytes)	2016	L	0.183
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CB6PH

VAP-C04E_WIN02B06 / Winter Harbor / Described in VDH-DSS SFC 038-178M1, 3/7/2016.	4A	Aquatic Plants (Macrophytes)	2016	L	0.037
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CB6PH

VAP-C04E_WIN03A06 / Winter Harbor / Northern portion of Winter Harbor	4A	Aquatic Plants (Macrophytes)	2016	L	0.736
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CB6PH

VAP-C04E_WIN03B18 / Winter Harbor / Described in VDH-DSS condemnation 038-176A, 3/7/2016.	4A	Aquatic Plants (Macrophytes)	2016	L	0.422
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CB6PH

VAP-C04E_ZZZ02A06 / Unsegmented estuaries in C04 /	4A	Aquatic Plants (Macrophytes)	2016	L	0.076
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Draft 2018

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

Unsegmented portion within CB6PH

Chesapeake Bay segment CB6PH	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shallow-Water Submerged Aquatic Vegetation</b>			
Aquatic Plants (Macrophytes) - Total Impaired Size by Water Type:	<b>291.500</b>		

### Sources:

Agriculture	Atmospheric Deposition - Nitrogen	Clean Sediments	Industrial Point Source Discharge
Internal Nutrient Recycling	Loss of Riparian Habitat	Municipal Point Source Discharges	Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders	Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)		

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **CB7PH-DO-BAY**      **Chesapeake Bay segment CB7PH**

Cause Location: This cause encompasses the complete CBP segment CB7PH.

City / County: Accomack Co.      Chesapeake Bay - County Not Applicable.

Use(s): Aquatic Life      Deep-Water Aquatic Life      Open-Water Aquatic Life

Cause(s) / VA Category: Oxygen, Dissolved / 4A      Oxygen, Dissolved / 4D

The 30-day dissolved oxygen criteria for the open water use failed for the 2018 assessment. The 30-day dissolved oxygen criteria for the deep water use was met. There are insufficient data to assess remaining shorter-term dissolved oxygen criteria for this use.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VACB-R01E-04CE / Chesapeake Bay - Cape Charles BSS #089-011, Section A. / Va Dept of Health Shellfish (administrative) condemnation #089-011, Opposite Cape Charles City, Section A. HUC: 02080101.[effective 2005-3-08]	4A	Oxygen, Dissolved	2006	L	0.312
VACB-R01E-CB7N / Chesapeake Bay - Northern portion of CBP Segment CB7PH / This assessment unit is the mainstem northern portion of Chesapeake Bay Program segment CB7PH, located in the northwestern half of the Virginia Chesapeake Bay between the mouths of the James and Rappahannock Rivers. HUC: 02080101.	4A	Oxygen, Dissolved	1998	L	168.626
VACB-R01E-CB7S / Chesapeake Bay - Southern portion of CBP Segment CB7PH / This assessment unit is the mainstem southern portion of Chesapeake Bay Program segment CB7PH, located in the southwestern half of the Virginia Chesapeake Bay between the mouths of the James and Rappahannock Rivers. HUC: 02080101.	4A	Oxygen, Dissolved	1998	L	372.814
VAT-C10E_DEP01A06 / Deep Creek - Middle / East of town of Bayside. Middle portion of creek adjacent to Town of Deep Creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 077-138 C (effective 20150708).	4A	Oxygen, Dissolved	2006	L	0.090
VAT-C10E_DEP01B10 / Deep Creek - Upper / East of town of Bayside. Upper portion of creek adjacent to Town of Deep Creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 077-138 C (effective 20150108).	4A	Oxygen, Dissolved	2006	L	0.114
VAT-C10E_DEP02A06 / Deep Creek - Lower / East of town of Bayside. Lower portion of creek, from RM 1.6 downstream to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 077-138 (effective 20150708).	4A	Oxygen, Dissolved	2006	L	0.489
VAT-C10E_DEP03A08 / Deep Creek - Lower [No DSS] / East of town of Bayside. Lower portion of creek, from RM 1.6 downstream to mouth. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation identified.	4A	Oxygen, Dissolved	2006	L	0.220
VAT-C10E_ISB01A06 / Island Bay - [No DSS] / Between Russell Island & Long Ridge area. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnations.	4A	Oxygen, Dissolved	2006	L	0.953
VAT-C10E_ZZZ01A06 / Unsegmented Bay Waters in C10E-CB7PH. / Evaluated non-segmented Bay Waters in C10E not contained within VACB-R01E-CB7S. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnations.	4A	Oxygen, Dissolved	2006	L	1.415
VAT-C11E_CED01A00 / Cedar Creek / Entire estuarine portion of creek. North shore tributary of Onancock Creek. Portion of CBP	4A	Oxygen, Dissolved	2006	L	0.063

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

segment CB7PH. DSS shellfish direct harvesting condemnation # 080-013 C (effective 20131120).

VAT-C11E_CSX01A00 / Chesconessex Creek - South Br. - Upper / South of Chesconessex and northwest of Onancock. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 079-112 A (effective 20150708).	4A	Oxygen, Dissolved	2006	L	0.109
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VAT-C11E_CSX01B10 / Chesconessex Creek - South Br. - Middle / South of Chesconessex and northwest of Onancock. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 079-112 OPEN(effective 20150708).	4A	Oxygen, Dissolved	2006	L	0.100
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VAT-C11E_CSX02A06 / Chesconessex Creek - N. Branch / Lower portion of Creek, including tidal tribs., from the end DSS condemnation # 079-112 downstream to mouth. Portion of CBP segment CB7PH. Part of area contains no DSS Condemnation remainder is OPEN 079-112 (20150708).	4A	Oxygen, Dissolved	2006	L	1.832
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VAT-C11E_CSX02B10 / Chesconessex Creek - N. Branch / North Branch portion of creek at marina area. DSS Admin condemnation # 079-112 B (effective 20150708). Portion of CBP segment CB7PH.	4A	Oxygen, Dissolved	2006	L	0.030
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VAT-C11E_FNN01A00 / Finneys Creek - Upper / East of Bailey Neck area. South shore tributary of Onancock Creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 080-013 B (effective 20131120).	4A	Oxygen, Dissolved	2006	L	0.069
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VAT-C11E_FNN02A00 / Finneys Creek - Lower / East of Bailey Neck area. South shore tributary of Onancock Creek. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 080-013 (effective 20131120).	4A	Oxygen, Dissolved	2006	L	0.119
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VAT-C11E_LTH01A00 / Leatherberry Creek / Entire estuarine portion of creek. South shore tributary of Onancock Creek. Portion of CBP segment CB7PH. Portion of DSS (Admin Cond) shellfish condemnation # 081-013 A (effective 20131120).	4A	Oxygen, Dissolved	2006	L	0.070
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VAT-C11E_MTC01A06 / Matchotank Creek - Upper / South of Broadway Neck area. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 080-169 (effective 20071219).	4A	Oxygen, Dissolved	2006	L	0.069
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VAT-C11E_MTC02A06 / Matchotank Creek - Lower / South of Broadway Neck area. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 080-169 (effective 20071219) & no DSS area identified.	4A	Oxygen, Dissolved	2006	L	0.116
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VAT-C11E_OCB01A00 / Central Branch, Onancock Creek / CBP segment CB7PH. Portion of DSS (Admin Cond) shellfish condemnation # 080-013 A (effective 20131120).	4A	Oxygen, Dissolved	2006	L	0.018
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VAT-C11E_OCN01A04 / Onancock Creek Mainstem - Upper [Admin Cond] / Near Town of Onancock. From junction of N, Central & S Brs downstream to end of DSS condemnation (by Finneys Wharf. CBP segment CB7PH. Portion of DSS (Admin Cond) shellfish condemnation # 080-013 A (effective 20131120).	4A	Oxygen, Dissolved	2006	L	0.129
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VAT-C11E_OCN01C10 / Onancock Creek Mainstem - Upper / Near Town of Onancock. From junction of N, Central & S Brs downstream to end of DSS condemnation near Finneys Wharf. CBP segment CB7PH. Portion of DSS shellfish condemnation # 081-013 (effective 20131120).	4A	Oxygen, Dissolved	2006	L	0.097
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VAT-C11E_OCN02A04 / Onancock Creek Mainstem - Lower / East of Bailey Neck area. Mainstem of Onancock Creek- lower. From Finneys Wharf downstream to mouth. Portion of CBP segment	4A	Oxygen, Dissolved	2006	L	1.953
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# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 080-013 (effective 20131120).

VAT-C11E_OCN02B08 / Onancock Creek Mainstem - Poplar Cove / East of Bailey Neck area. Mainstem of Onancock Creek. Marina in area of Poplar Cove. Portion of CBP segment CB7PH. DSS (SEASONAL) shellfish direct harvesting condemnation # 080-013 M2 (effective 20131120).	4A	Oxygen, Dissolved	2006	L	0.016
VAT-C11E_ONB01A02 / North Branch, Onancock Creek / Located near Town of Onancock. Entire North Branch, Onancock Creek. CBP segment CB7PH. DSS shellfish condemnation (Admin Cond-PROHIBITION) # 081-013 D (effective 20131120).	4A	Oxygen, Dissolved	2006	L	0.021
VAT-C11E_OSB01A02 / Southern Branch, Onancock Creek / Near Town of Onancock. Entire Southern Branch Onancock Creek. CBP segment CB7PH. Portion of DSS (Admin Cond) shellfish condemnation # 081-013 A (effective 20131120).	4A	Oxygen, Dissolved	2006	L	0.058
VAT-C11E_PRK01A08 / Parkers Creek - Upper / South shore tributary of Onancock Creek at Finneys Neck. Upstream portion of creek. Portion of CBP segment CB7PH. DSS shellfish OPEN direct harvesting condemnation # 080-013 (effective 20131120).	4A	Oxygen, Dissolved	2006	L	0.035
VAT-C11E_PRK02A08 / Parkers Creek - Middle / South shore tributary of Onancock Creek at Finneys Neck. Middle portion of creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 080-013 (effective 20131120).	4A	Oxygen, Dissolved	2006	L	0.041
VAT-C11E_PRK03A08 / Parkers Creek - Lower / South shore tributary of Onancock Creek at Finneys Neck. Area around marina at mouth of Parkers Creek. Portion of CBP segment CB7PH. DSS shellfish seasonal condemnation # 080-013 M1 (effective 20131120).	4A	Oxygen, Dissolved	2006	L	0.086
VAT-C11E_TAR01A06 / Tarkill Creek / Located in Sluitkill Neck area. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation identified.	4A	Oxygen, Dissolved	2006	L	0.190
VAT-C11E_ZZZ01A00 / Unsegmented estuaries in C11E. / Evaluated non segmented portions of C11E not contained within VACB-R01E-CB7S. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 080-013 (20131120).	4A	Oxygen, Dissolved	2006	L	1.538
VAT-C12E_PUN01A06 / Pungoteague Creek - Upper / W of Melfa. Upper portion of Pungoteague Cr. from the end of tidal waters downstream to Boggs Wharf and Route 634. CBP segment CB7PH. DSS condemnation # 081-119 B (effective 20130325).	4A	Oxygen, Dissolved	2006	L	0.232
VAT-C12E_PUN01B16 / Pungoteague Creek - Middle-Upper / W of Melfa. Upper portion of Pungoteague Cr. from the Boggs Warf to Horse Hole Creek. CBP segment CB7PH. DSS OPEN condemnation # 081-119 (effective 20160401).	4A	Oxygen, Dissolved	2006	L	0.262
VAT-C12E_PUN02A06 / Pungoteague Creek - Lower / Located west of Town of Melfa. Lower portion of Pungoteague Cr. from Horse Hole Creek downstream to mouth. Portion of CBP segment CB7PH. DSS OPEN shellfish direct harvesting condemnation # 081-119 (effective 20160401).	4A	Oxygen, Dissolved	2006	L	1.186
VAT-C12E_TAY01A06 / Taylor Creek / Located southwest of Harborton. From the end of tidal waters downstream Route 628 and Eastern Shore Yacht Club. Portion of CBP segment CB7PH. Portion of DSS condemnation # 081-119 C (effective 20160401).	4A	Oxygen, Dissolved	2006	L	0.130
VAT-C12E_TAY02A14 / Taylor Creek- Mouth / Located southwest of Harborton. From Route 628 and Eastern Shore Yacht Club to	4A	Oxygen, Dissolved	2006	L	0.035

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

Puncoteague confluence. Portion of CBP segment CB7PH. Portion of DSS condemnation # 081-119 OPEN & M1 (effective 20160401).

VAT-C12E_UNR01A06 / Underhill Creek / In area of Mount Nebo. North shore tributary to Pungoteague Cr. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 081-119 A (effective 20160401).	4A	Oxygen, Dissolved	2006	L	0.070
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VAT-C12E_WRP01A06 / Warehouse Prong - Upper / Located north 4A of Bobtown and east of Boggs Wharf. Upper portion, from headwaters to confluence with UT. Portion of CBP segment CB7PH. Portion of DSS (Admin Cond) condemnation # 081-119 D (effective 20160401).	4A	Oxygen, Dissolved	2006	L	0.042
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VAT-C12E_WRP02A06 / Warehouse Prong - Lower / Located north 4A of Bobtown and east of Boggs Wharf. Lower portion, from confluence with UT downstream to confluence with Pungoteague Cr. Portion of CBP segment CB7PH. DSS (Admin Cond) condemnation # 081-119 B (effective 20160401).	4A	Oxygen, Dissolved	2006	L	0.054
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VAT-C12E_ZZZ01A00 / Unsegmented Bay Waters in C12E. / Evaluated non segmented portions of C12E, UT south of Pungoteague Cr. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation identified.	4A	Oxygen, Dissolved	2006	L	0.002
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VAT-C13E_BCE01A08 / Back Creek / Southwest of Fairview Neck area. North shore tributary of Nandua Cr. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 082-160 (effective 20160330).	4A	Oxygen, Dissolved	2006	L	0.141
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VAT-C13E_BOS01A08 / Boggs Gut / Southwest of Fairview Neck area. South shore tributary of Nandua Cr. near mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 082-160 (effective 20160330).	4A	Oxygen, Dissolved	2006	L	0.034
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VAT-C13E_CHC01A00 / Church Creek / In area of Elliotts Neck. Tributary to Nassawadox Creek. Portion of CBP segment CB7PH. DSS OPEN shellfish direct harvesting condemnation # 085-185 (effective 20161013).	4A	Oxygen, Dissolved	2006	L	0.430
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VAT-C13E_CHC01B16 / Church Creek -Upper / In area of Elliotts Neck. Tributary to Nassawadox Creek, upstream portion of Church Creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 085-185 B (effective 20161013).	4A	Oxygen, Dissolved	2006	L	0.108
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VAT-C13E_CHC01C10 / Church Creek - Middle- UT North Cove / In area of Elliotts Neck. Tributary to Church Creek - Middle, UT North Cove. Portion of CBP segment CB7PH. DSS shellfish harvesting condemnation # 085-185 A (effective 20161013).	4A	Oxygen, Dissolved	2006	L	0.059
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VAT-C13E_CRA01A06 / Craddock Creek - Upper [TMDL-bact.] / From end of tidal waters downstream to end of shellfish condemnation (area of TMDL-bact 6/07). Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 083-195 A (effective 20121210).	4A	Oxygen, Dissolved	2006	L	0.082
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VAT-C13E_CRA02A08 / Craddock Creek - Lower and UT / Most of Craddock Cr. excluding SF condemnation in upper creek. Including all tribs. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 083-195 (effective 20121210).	4A	Oxygen, Dissolved	2006	L	0.911
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VAT-C13E_CRR01A08 / Curratuck Creek / Southwest of Fairview Neck area. Lower south shore tributary of middle Nandua Cr. near mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 082-160 (effective 20160330).	4A	Oxygen, Dissolved	2006	L	0.277
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VAT-C13E_HGC01A06 / Holly Grove Cove / Located near	4A	Oxygen, Dissolved	2006	L	0.143
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# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

Wellington Neck. From end of tidal waters downstream to mouth.  
Portion of CBP segment CB7PH. DSS shellfish direct harvesting  
condemnation # 085-110 E (effective 20161013).

VAT-C13E_KLL01A06 / Kelley Cove / From end of tidal waters downstream to confluence with Nassawadox Cr. (area of TMDL-bact 6/07). Portion of CBP segment CB7PH. Portion of DSS shellfish direct harvesting condemnation # 085-110 D (effective 201610137).	4A	Oxygen, Dissolved	2006	L	0.026
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VAT-C13E_MAG01A08 / McLean Gut - Upper / Southwest of Fairview Neck area. Middle south shore tributary of middle Nandua Cr. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 082-160 B (effective 20160330).	4A	Oxygen, Dissolved	2006	L	0.038
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VAT-C13E_MAG02A08 / McLean Gut - Lower / Southwest of Fairview Neck area. Middle south shore tributary of middle Nandua Cr. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 082-160 (effective 20160330).	4A	Oxygen, Dissolved	2006	L	0.032
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VAT-C13E_NAN01A00 / Nandua Creek - Upper [TMDL-bact.] / Southeast of Hacks Neck area. The two most upstream branches of Nandua Creek, incl. Kusian Cove. Portion of CBP segment CB7PH. DSS condemnation # 082-160 A&C (effective 20160330).	4A	Oxygen, Dissolved	2006	L	0.144
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VAT-C13E_NAN01B08 / Nandua Creek - Lower Upper / Southwest of Fairview Neck area. North shore tributary of Nandua Cr. near mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 082-160 (effective 20160330).	4A	Oxygen, Dissolved	2006	L	0.223
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VAT-C13E_NAN02A06 / Nandua Creek - Lower / Lower portion of Nandua Creek including unsegmented tidal tribs., from the confluence of Boggs Gut downstream to mouth (RM 0.0). Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation identified.	4A	Oxygen, Dissolved	2006	L	3.150
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VAT-C13E_NSS01A06 / Nassawadox Creek - Upper [TMDL-bact.] / From end of tidal waters downstream to confluence with Kelly Cove (RM 5.2) area of TMDL-bact 6/07. Portion of CBP segment CB7PH. Portion of DSS shellfish direct harvesting condemnation # 085-110 B (effective 20161013).	4A	Oxygen, Dissolved	2006	L	0.205
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VAT-C13E_NSS01B08 / Nassawadox Creek - Upper / From confluence with Kelly Cove (RM 5.2) downstream to mainstem (outside of area of TMDL-bact 6/07). Portion of CBP segment CB7PH. Portion of DSS (OPEN) shellfish direct harvesting condemnation # 085-110 (effective 20161013).	4A	Oxygen, Dissolved	2006	L	0.169
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VAT-C13E_NSS02A06 / Nassawadox Creek - Lower / Mainstem of lower portion of creek to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 085-110 & 085-185 (effective 20161013).	4A	Oxygen, Dissolved	2006	L	2.121
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VAT-C13E_NSS03A08 / Nassawadox Creek - Middle, N. Shore Tribs / Occohannock Neck Area. North Shore UTs to lower-middle mainstem Nassawadox. Portion of CBP segment CB7PH. Portion of DSS shellfish direct harvesting condemnation # 085-110 A & C (effective 20161013).	4A	Oxygen, Dissolved	2006	L	0.126
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VAT-C13E_OCH01A06 / Occohannock Creek - Upper / Upper portion of Occohannock Creek and tidal tribs., from end of tidal waters downstream to the confluence of Wescott Cove (RM 5.3). Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 084-043 A (effective 2016116).	4A	Oxygen, Dissolved	2006	L	0.538
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VAT-C13E_OCH02A06 / Occohannock Creek - Lower / Lower portion of Occohannock Creek and tidal tribs., from downstream of Youngs Pt. to mouth (RM 0.0). Portion of CBP segment CB7PH. DSS	4A	Oxygen, Dissolved	2006	L	2.469
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# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

(OPEN) shellfish direct harvesting condemnation # 084-043 (effective 20161116).

VAT-C13E_OCH02B08 / Occohannock Creek - Middle Marina Area / In middle portion of Occohannock Creek, marina area of Davis Wharf. Portion of CBP segment CB7PH. DSS SEASONAL shellfish direct harvesting condemnation # 084-043 M1 (effective 20161116).	4A	Oxygen, Dissolved	2006	L	0.034
VAT-C13E_OCH03A08 / Shields Cove & Fisher Cove / West of Belle Haven area. North and South shore tributaries of Occohannock Cr., NW of Youngs Pt. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 084-043 B & C (effective 20161116).	4A	Oxygen, Dissolved	2006	L	0.087
VAT-C13E_WHC01A06 / Warehouse Creek - Upper / Southeast fork of upper portion of creek. Portion of CBP segment CB7PH. DSS ADMIN-PROHIB shellfish direct harvesting condemnation # 085-110 F (effective 20161013) (VPDES outfall condemnation for Shore Memorial Hospital STP VA0027537).	4A	Oxygen, Dissolved	2006	L	0.032
VAT-C13E_WHC01B10 / Warehouse Creek - Upper Middle (Admin Cond) / Including northern fork and continuing downstream to bend near Wellington Neck. Portion of CBP segment CB7PH. DSS (Admin Cond) shellfish direct harvesting condemnation # 085-110C (effective 20161013).	4A	Oxygen, Dissolved	2006	L	0.166
VAT-C13E_WHC02A06 / Warehouse Creek - Lower / Including bend near Wellington Neck to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 085-110 (effective 20161013).	4A	Oxygen, Dissolved	2006	L	0.246
VAT-C13E_ZZZ01A00 / Unsegmented estuaries in C13E. / Evaluated non segmented portions of C13E. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation identified.	4A	Oxygen, Dissolved	2006	L	0.752
VAT-C14E_BRL01A06 / Barlow Creek / In area of Old Town Neck. South shore tributary to lower Mattawoman Cr. Portion of CBP segment CB7PH. DSS OPEN shellfish direct harvesting condemnation # 086-136 (effective 20150827).	4A	Oxygen, Dissolved	2006	L	0.049
VAT-C14E_HUG01A00 / Hungars Creek - Upper / Upper portion of Hungars Creek from end tidal waters downstream to Waterford Point (RM 1.8) @ confluence with Jacobus Cr. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 A (effective 20150827).	4A	Oxygen, Dissolved	2006	L	0.138
VAT-C14E_HUG02A00 / Hungars Creek - Lower / Lower portion of Hungars Creek from Waterford Point (RM 1.8) @ confluence with Jacobus Cr. downstream to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 086-136 (effective 20150827).	4A	Oxygen, Dissolved	2006	L	1.187
VAT-C14E_HUG02B12 / UT to Hungars Creek / Northern trib between Great Neck and Sparrow Point. Restricted portion of SF. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 E (effective 20150827).	4A	Oxygen, Dissolved	2006	L	0.039
VAT-C14E_HUG02C14 / Hungars Creek - Northern Trib / Lower portion of Hungars Creek, Trib north of the mouth. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 D (effective 20150827).	4A	Oxygen, Dissolved	2006	L	0.073
VAT-C14E_JAC01A06 / Jacobus Creek - Upper South Fork / West of Johnstown. Trib to Hungars Cr. Uppermost portion of south branch. Portion of CBP segment CB7PH. DSS (Admin - Prohibition) due to STP VA0023817 Outfall) shellfish direct harvesting condemnation # 086-136F (effective 20150827).	4A	Oxygen, Dissolved	2006	L	0.028

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

VAT-C14E_JAC02A06 / Jacobus Creek - Upper Forks / West of Johnsontown. Trib to Hungars Cr. Middle mainstem, north fork and lower portion of south fork. Portion of CBP segment CB7PH. DSS (Admin Cond) shellfish direct harvesting condemnation # 086-136 B (effective 20150827).	4A	Oxygen, Dissolved	2006	L	0.152
VAT-C14E_JAC03A06 / Jacobus Creek - Lower / West of Johnsontown. South shore trib. to Hungars Cr. Lower mainstem portion. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 086-136 (effective 20150827).	4A	Oxygen, Dissolved	2006	L	0.187
VAT-C14E_MAT01A06 / Mattawoman Creek - Upper / South of Wilsonia Neck. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 C (effective 20150827).	4A	Oxygen, Dissolved	2006	L	0.155
VAT-C14E_MAT02A10 / Mattawoman Creek - Lower / South of Wilsonia Neck - mouth of Mattawoman Cr. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 086-136 (effective 20150827).	4A	Oxygen, Dissolved	2006	L	0.357
VAT-C14E_THG01A06 / The Gulf - Upper / From end of tidal waters downstream to narrowing 0.45 mi. from mouth. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 087-174 A (effective 20150827).	4A	Oxygen, Dissolved	2006	L	0.090
VAT-C14E_THG02A06 / The Gulf - Lower / From narrowing 0.45 mi. from mouth downstream to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish condemnation # 087-174 (20150827) & no DSS.	4A	Oxygen, Dissolved	2006	L	0.204
VAT-C14E_WHS01A06 / Westerhouse Creek - North Branch & Upper Middle [TMDL] / In Church Neck area, west of Bridgetown. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 085-199 (20161013).	4A	Oxygen, Dissolved	2006	L	0.243
VAT-C14E_WHS02A06 / Westerhouse Creek - Upper South Branch [TMDL] / In Church Neck area, west of Bridgetown. Upper portion of Westerhouse Creek South Branch. Portion of CBP segment CB7PH. Portion DSS shellfish direct harvesting condemnation # 085-199 A (effective 20130924).	4A	Oxygen, Dissolved	2006	L	0.019
VAT-C14E_ZZZ01A00 / Unsegmented estuaries in C14E. / Evaluated non segmented portions of C14E - mouth of Matchotank & Hungars Crs. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 086-136.	4A	Oxygen, Dissolved	2006	L	0.838
VAT-C15E_CCB01A06 / Cape Charles Beach / Located west of Town of Cape Charles, along Chesapeake Bay. Portion of CBP segment CB7PH. DSS (Administrative) shellfish harvesting condemnation 089-011 A (effective 20051202) which is present.	4A	Oxygen, Dissolved	2006	L	0.079
VAT-C15E_CRS01A06 / Cherrystone Inlet - Upper / From Eyreville Neck end of tidal waters downstream to confluence with Chesapeake Bay. Including Old Castle Cr. Portion of CBP segment CB7PH. DSS OPEN shellfish direct harvesting condemnation # 088-139 (20161227).	4A	Oxygen, Dissolved	2006	L	2.381
VAT-C15E_CRS01B18 / Cherrystone Inlet - Eyrehall Cr / SE trib to Cherryston Inlet. Portion of CBP segment CB7PH. DSS Restricted shellfish direct harvesting condemnation # 088-139 B (20161227).	4A	Oxygen, Dissolved	2006	L	0.103
VAT-C15E_KNS01A00 / Kings Creek - Upper Forks and Middle / From end of tidal waters downstream 0.16 mi. past confluence of the two most upstream forks. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 088-139 A (20161227).	4A	Oxygen, Dissolved	2006	L	0.093
VAT-C15E_KNS03A08 / Kings Creek - Lower Middle / From start of	4A	Oxygen, Dissolved	2006	L	0.247

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

DSS marina area downstream to Cherrystone. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 088-139 (20161227) & Seasonal Condemnation M1.

VAT-C15E_ZZZ01A08 / Unsegmented estuaries in C15E. / Evaluated non segmented portions of C15E. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation identified.	4A	Oxygen, Dissolved	2006	L	0.587
VAT-C16E_CCH01A04 / Cape Charles Harbor - Upper / From most upstream end of harbor downstream to 1/2 distance to mouth (RM 0.23). Portion of CBP segment CB7PH. DSS ADMINISTRATIVE shellfish harvesting condemnation # 089-011 B (effective 20051202) (VPDES outfall Town of Cape Charles STP VA0021288).	4A	Oxygen, Dissolved	2006	L	0.056
VAT-C16E_CCH02A00 / Cape Charles Harbor - Lower / From 1/2 distance to mouth (RM 0.23) downstream to mouth. Portion of CBP segment CB7PH. DSS ADMINISTRATIVE shellfish harvesting condemnation # 089-011 A (effective 20051202) (VPDES outfall Town of Cape Charles STP VA0021288).	4A	Oxygen, Dissolved	2006	L	0.060
VAT-C16E_KPT01A06 / Kiptopeke Beach / Located west of Cedar Grove, along Chesapeake Bay, near southern tip of Eastern Shore. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation present.	4A	Oxygen, Dissolved	2006	L	0.044
VAT-C16E_OPC01A06 / Old Plantation Creek - Upper [TMDL-bact] / Upper portion of Old Plantation Creek within TMDL-Bact (33771). CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 090-152 A (effective 20151222).	4A	Oxygen, Dissolved	2006	L	0.044
VAT-C16E_OPC01B08 / Old Plantation Creek - Upper [No TMDL-bact] / Upper portion of Old Plantation Creek and one southeast embayment not within TMDL-Bact (33771). Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 090-152 A (effective 20151222).	4A	Oxygen, Dissolved	2006	L	0.152
VAT-C16E_OPC02A00 / Old Plantation Creek - Lower / Lower portion of Old Plantation Creek, from approx. Red Bank (RM 2.0) downstream to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 090-152 (20151222).	4A	Oxygen, Dissolved	2006	L	0.926
VAT-C16E_ZZZ01A00 / Unsegmented estuaries in C16E. / Evaluated non segmented portions of C16E. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation identified.	4A	Oxygen, Dissolved	2006	L	0.146

Chesapeake Bay segment CB7PH

### **Aquatic Life**

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Oxygen, Dissolved - Total Impaired Size by Water Type:	<b>575.220</b>		

### Sources:

Agriculture	Atmospheric Deposition - Nitrogen	Clean Sediments	Industrial Point Source Discharge
Internal Nutrient Recycling	Loss of Riparian Habitat	Municipal Point Source Discharges	Non-Point Source
Sediment Resuspension (Clean Sediment)	Sources Outside State Jurisdiction or Borders	Wet Weather Discharges (Non-Point Source)	Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** CB7PH-SAV-BAY      **Chesapeake Bay segment CB7PH**

Cause Location: This cause encompasses the complete CPB segment CB7PH.

City / County: Accomack Co.      Chesapeake Bay - County Not Applicable.

Use(s): Aquatic Life      Shallow-Water Submerged  
Aquatic Vegetation

Cause(s) / VA Category: Aquatic Plants (Macrophytes) / 4A

The acres of submerged aquatic vegetation (SAV) mapped through aerial surveys does not meet the criteria. Aerial analysis of SAV over the three most recent years of data indicate segment is short of this goal by 50%. There is insufficient data to assess the water clarity criteria.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VACB-R01E-04CE / Chesapeake Bay - Cape Charles BSS #089-011, Section A. / Va Dept of Health Shellfish (administrative) condemnation #089-011, Opposite Cape Charles City, Section A. HUC: 02080101.[effective 2005-3-08]	4A	Aquatic Plants (Macrophytes)	2006	L	0.312
VACB-R01E-CB7N / Chesapeake Bay - Northern portion of CBP Segment CB7PH / This assessment unit is the mainstem northern portion of Chesapeake Bay Program segment CB7PH, located in the northwestern half of the Virginia Chesapeake Bay between the mouths of the James and Rappahannock Rivers. HUC: 02080101.	4A	Aquatic Plants (Macrophytes)	2006	L	168.626
VACB-R01E-CB7S / Chesapeake Bay - Southern portion of CBP Segment CB7PH / This assessment unit is the mainstem southern portion of Chesapeake Bay Program segment CB7PH, located in the southwestern half of the Virginia Chesapeake Bay between the mouths of the James and Rappahannock Rivers. HUC: 02080101.	4A	Aquatic Plants (Macrophytes)	2006	L	372.814
VAT-C10E_DEP01A06 / Deep Creek - Middle / East of town of Bayside. Middle portion of creek adjacent to Town of Deep Creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 077-138 C (effective 20150708).	4A	Aquatic Plants (Macrophytes)	2006	L	0.090
VAT-C10E_DEP01B10 / Deep Creek - Upper / East of town of Bayside. Upper portion of creek adjacent to Town of Deep Creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 077-138 C (effective 20150108).	4A	Aquatic Plants (Macrophytes)	2006	L	0.114
VAT-C10E_DEP02A06 / Deep Creek - Lower / East of town of Bayside. Lower portion of creek, from RM 1.6 downstream to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 077-138 (effective 20150708).	4A	Aquatic Plants (Macrophytes)	2006	L	0.489
VAT-C10E_DEP03A08 / Deep Creek - Lower [No DSS] / East of town of Bayside. Lower portion of creek, from RM 1.6 downstream to mouth. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation identified.	4A	Aquatic Plants (Macrophytes)	2006	L	0.220
VAT-C10E_ISB01A06 / Island Bay - [No DSS] / Between Russell Island & Long Ridge area. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnations.	4A	Aquatic Plants (Macrophytes)	2006	L	0.953
VAT-C10E_ZZZ01A06 / Unsegmented Bay Waters in C10E-CB7PH. / Evaluated non-segmented Bay Waters in C10E not contained within VACB-R01E-CB7S. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnations.	4A	Aquatic Plants (Macrophytes)	2006	L	1.415
VAT-C11E_CED01A00 / Cedar Creek / Entire estuarine portion of	4A	Aquatic Plants (Macrophytes)	2006	L	0.063

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

creek. North shore tributary of Onancock Creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 080-013 C (effective 20131120).

VAT-C11E_CSX01A00 / Chesconessex Creek - South Br. - Upper / 4A South of Chesconessex and northwest of Onancock. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 079-112 A (effective 20150708).	Aquatic Plants (Macrophytes)	2006	L	0.109
VAT-C11E_CSX01B10 / Chesconessex Creek - South Br. - Middle / 4A South of Chesconessex and northwest of Onancock. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 079-112 OPEN(effective 20150708).	Aquatic Plants (Macrophytes)	2006	L	0.100
VAT-C11E_CSX02A06 / Chesconessex Creek - N. Branch / Lower 4A portion of Creek, including tidal tribs., from the end DSS condemnation # 079-112 downstream to mouth. Portion of CBP segment CB7PH. Part of area contains no DSS Condemnation remainder is OPEN 079-112 (20150708).	Aquatic Plants (Macrophytes)	2006	L	1.832
VAT-C11E_CSX02B10 / Chesconessex Creek - N. Branch / North 4A Branch portion of creek at marina area. DSS Admin condemnation # 079-112 B (effective 20150708). Portion of CBP segment CB7PH.	Aquatic Plants (Macrophytes)	2006	L	0.030
VAT-C11E_FNN01A00 / Finneys Creek - Upper / East of Bailey 4A Neck area. South shore tributary of Onancock Creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 080-013 B (effective 20131120).	Aquatic Plants (Macrophytes)	2006	L	0.069
VAT-C11E_FNN02A00 / Finneys Creek - Lower / East of Bailey 4A Neck area. South shore tributary of Onancock Creek. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 080-013 (effective 20131120).	Aquatic Plants (Macrophytes)	2006	L	0.119
VAT-C11E_LTH01A00 / Leatherberry Creek / Entire estuarine 4A portion of creek. South shore tributary of Onancock Creek. Portion of CBP segment CB7PH. Portion of DSS (Admin Cond) shellfish condemnation # 081-013 A (effective 20131120).	Aquatic Plants (Macrophytes)	2006	L	0.070
VAT-C11E_MTC01A06 / Matchotank Creek - Upper / South of 4A Broadway Neck area. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 080-169 (effective 20071219).	Aquatic Plants (Macrophytes)	2006	L	0.069
VAT-C11E_MTC02A06 / Matchotank Creek - Lower / South of 4A Broadway Neck area. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 080-169 (effective 20071219) & no DSS area identified.	Aquatic Plants (Macrophytes)	2006	L	0.116
VAT-C11E_OCB01A00 / Central Branch, Onancock Creek / CBP 4A segment CB7PH. Portion of DSS (Admin Cond) shellfish condemnation # 080-013 A (effective 20131120).	Aquatic Plants (Macrophytes)	2006	L	0.018
VAT-C11E_OCN01A04 / Onancock Creek Mainstem - Upper [Admin 4A Cond] / Near Town of Onancock. From junction of N, Central & S Brs downstream to end of DSS condemnation (by Finneys Wharf. CBP segment CB7PH. Portion of DSS (Admin Cond) shellfish condemnation # 080-013 A (effective 20131120).	Aquatic Plants (Macrophytes)	2006	L	0.129
VAT-C11E_OCN01C10 / Onancock Creek Mainstem - Upper / Near 4A Town of Onancock. From junction of N, Central & S Brs downstream to end of DSS condemnation near Finneys Wharf. CBP segment CB7PH. Portion of DSS shellfish condemnation # 081-013 (effective 20131120).	Aquatic Plants (Macrophytes)	2006	L	0.097
VAT-C11E_OCN02A04 / Onancock Creek Mainstem - Lower / East 4A of Bailey Neck area. Mainstem of Onancock Creek- lower. From	Aquatic Plants (Macrophytes)	2006	L	1.953



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

Finneys Wharf downstream to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 080-013 (effective 20131120).

VAT-C11E_OCN02B08 / Onancock Creek Mainstem - Poplar Cove / East of Bailey Neck area. Mainstem of Onancock Creek. Marina in area of Poplar Cove. Portion of CBP segment CB7PH. DSS (SEASONAL) shellfish direct harvesting condemnation # 080-013 M2 (effective 20131120).	4A	Aquatic Plants (Macrophytes)	2006	L	0.016
VAT-C11E_ONB01A02 / North Branch, Onancock Creek / Located near Town of Onancock. Entire North Branch, Onancock Creek. CBP segment CB7PH. DSS shellfish condemnation (Admin Cond-PROHIBITION) # 081-013 D (effective 20131120).	4A	Aquatic Plants (Macrophytes)	2006	L	0.021
VAT-C11E_OSB01A02 / Southern Branch, Onancock Creek / Near Town of Onancock. Entire Southern Branch Onancock Creek. CBP segment CB7PH. Portion of DSS (Admin Cond) shellfish condemnation # 081-013 A (effective 20131120).	4A	Aquatic Plants (Macrophytes)	2006	L	0.058
VAT-C11E_PRK01A08 / Parkers Creek - Upper / South shore tributary of Onancock Creek at Finneys Neck. Upstream portion of creek. Portion of CBP segment CB7PH. DSS shellfish OPEN direct harvesting condemnation # 080-013 (effective 20131120).	4A	Aquatic Plants (Macrophytes)	2006	L	0.035
VAT-C11E_PRK02A08 / Parkers Creek - Middle / South shore tributary of Onancock Creek at Finneys Neck. Middle portion of creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 080-013 (effective 20131120).	4A	Aquatic Plants (Macrophytes)	2006	L	0.041
VAT-C11E_PRK03A08 / Parkers Creek - Lower / South shore tributary of Onancock Creek at Finneys Neck. Area around marina at mouth of Parkers Creek. Portion of CBP segment CB7PH. DSS shellfish seasonal condemnation # 080-013 M1 (effective 20131120).	4A	Aquatic Plants (Macrophytes)	2006	L	0.086
VAT-C11E_TAR01A06 / Tarkill Creek / Located in Sluitkill Neck area. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation identified.	4A	Aquatic Plants (Macrophytes)	2006	L	0.190
VAT-C11E_ZZZ01A00 / Unsegmented estuaries in C11E. / Evaluated non segmented portions of C11E not contained within VACB-R01E-CB7S. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 080-013 (20131120).	4A	Aquatic Plants (Macrophytes)	2006	L	1.538
VAT-C12E_PUN01A06 / Pungoteague Creek - Upper / W of Melfa. Upper portion of Pungoteague Cr. from the end of tidal waters downstream to Boggs Wharf and Route 634. CBP segment CB7PH. DSS condemnation # 081-119 B (effective 20130325).	4A	Aquatic Plants (Macrophytes)	2006	L	0.232
VAT-C12E_PUN01B16 / Pungoteague Creek - Middle-Upper / W of Melfa. Upper portion of Pungoteague Cr. from the Boggs Warf to Horse Hole Creek. CBP segment CB7PH. DSS OPEN condemnation OPEN # 081-119 (effective 20160401).	4A	Aquatic Plants (Macrophytes)	2006	L	0.262
VAT-C12E_PUN02A06 / Pungoteague Creek - Lower / Located west of Town of Melfa. Lower portion of Pungoteague Cr. from Horse Hole Creek downstream to mouth. Portion of CBP segment CB7PH. DSS OPEN shellfish direct harvesting condemnation # 081-119 (effective 20160401).	4A	Aquatic Plants (Macrophytes)	2006	L	1.186
VAT-C12E_TAY01A06 / Taylor Creek / Located southwest of Harborton. From the end of tidal waters downstream Route 628 and Eastern Shore Yacht Club. Portion of CBP segment CB7PH. Portion of DSS condemnation # 081-119 C (effective 20160401).	4A	Aquatic Plants (Macrophytes)	2006	L	0.130
VAT-C12E_TAY02A14 / Taylor Creek- Mouth / Located southwest	4A	Aquatic Plants (Macrophytes)	2006	L	0.035

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

of Harborton. From Route 628 and Eastern Shore Yacht Club to Puncoteague confluence. Portion of CBP segment CB7PH. Portion of DSS condemnation # 081-119 OPEN & M1 (effective 20160401).

VAT-C12E_UNR01A06 / Underhill Creek / In area of Mount Nebo. North shore tributary to Pungoteague Cr. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 081-119 A (effective 20160401).	4A	Aquatic Plants (Macrophytes)	2006	L	0.070
VAT-C12E_WRP01A06 / Warehouse Prong - Upper / Located north of Bobtown and east of Boggs Wharf. Upper portion, from headwaters to confluence with UT. Portion of CBP segment CB7PH. Portion of DSS (Admin Cond) condemnation # 081-119 D (effective 20160401).	4A	Aquatic Plants (Macrophytes)	2006	L	0.042
VAT-C12E_WRP02A06 / Warehouse Prong - Lower / Located north of Bobtown and east of Boggs Wharf. Lower portion, from confluence with UT downstream to confluence with Pungoteague Cr. Portion of CBP segment CB7PH. DSS (Admin Cond) condemnation # 081-119 B (effective 20160401).	4A	Aquatic Plants (Macrophytes)	2006	L	0.054
VAT-C12E_ZZZ01A00 / Unsegmented Bay Waters in C12E. / Evaluated non segmented portions of C12E, UT south of Pungoteague Cr. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation identified.	4A	Aquatic Plants (Macrophytes)	2006	L	0.002
VAT-C13E_BCE01A08 / Back Creek / Southwest of Fairview Neck area. North shore tributary of Nandua Cr. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 082-160 (effective 20160330).	4A	Aquatic Plants (Macrophytes)	2006	L	0.141
VAT-C13E_BOS01A08 / Boggs Gut / Southwest of Fairview Neck area. South shore tributary of Nandua Cr. near mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 082-160 (effective 20160330).	4A	Aquatic Plants (Macrophytes)	2006	L	0.034
VAT-C13E_CHC01A00 / Church Creek / In area of Elliotts Neck. Tributary to Nassawadox Creek. Portion of CBP segment CB7PH. DSS OPEN shellfish direct harvesting condemnation # 085-185 (effective 20161013).	4A	Aquatic Plants (Macrophytes)	2006	L	0.430
VAT-C13E_CHC01B16 / Church Creek -Upper / In area of Elliotts Neck. Tributary to Nassawadox Creek, upstream portion of Church Creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 085-185 B (effective 20161013).	4A	Aquatic Plants (Macrophytes)	2006	L	0.108
VAT-C13E_CHC01C10 / Church Creek - Middle- UT North Cove / In area of Elliotts Neck. Tributary to Church Creek - Middle, UT North Cove. Portion of CBP segment CB7PH. DSS shellfish harvesting condemnation # 085-185 A (effective 20161013).	4A	Aquatic Plants (Macrophytes)	2006	L	0.059
VAT-C13E_CRA01A06 / Craddock Creek - Upper [TMDL-bact.] / From end of tidal waters downstream to end of shellfish condemnation (area of TMDL-bact 6/07). Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 083-195 A (effective 20121210).	4A	Aquatic Plants (Macrophytes)	2006	L	0.082
VAT-C13E_CRA02A08 / Craddock Creek - Lower and UT / Most of Craddock Cr. excluding SF condemnation in upper creek. Including all tribs. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 083-195 (effective 20121210).	4A	Aquatic Plants (Macrophytes)	2006	L	0.911
VAT-C13E_CRR01A08 / Curratuck Creek / Southwest of Fairview Neck area. Lower south shore tributary of middle Nandua Cr. near mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 082-160 (effective 20160330).	4A	Aquatic Plants (Macrophytes)	2006	L	0.277

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

VAT-C13E_HGC01A06 / Holly Grove Cove / Located near Wellington Neck. From end of tidal waters downstream to mouth. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 085-110 E (effective 20161013).	1A	Aquatic Plants (Macrophytes)	2006	L	0.143
VAT-C13E_KLL01A06 / Kelley Cove / From end of tidal waters downstream to confluence with Nassawadox Cr. (area of TMDL-bact 6/07). Portion of CBP segment CB7PH. Portion of DSS shellfish direct harvesting condemnation # 085-110 D (effective 201610137).	4A	Aquatic Plants (Macrophytes)	2006	L	0.026
VAT-C13E_MAG01A08 / McLean Gut - Upper / Southwest of Fairview Neck area. Middle south shore tributary of middle Nandua Cr. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 082-160 B (effective 20160330).	4A	Aquatic Plants (Macrophytes)	2006	L	0.038
VAT-C13E_MAG02A08 / McLean Gut - Lower / Southwest of Fairview Neck area. Middle south shore tributary of middle Nandua Cr. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 082-160 (effective 20160330).	4A	Aquatic Plants (Macrophytes)	2006	L	0.032
VAT-C13E_NAN01A00 / Nandua Creek - Upper [TMDL-bact.] / Southeast of Hacks Neck area. The two most upstream branches of Nandua Creek, incl. Kusian Cove. Portion of CBP segment CB7PH. DSS condemnation # 082-160 A&C (effective 20160330).	4A	Aquatic Plants (Macrophytes)	2006	L	0.144
VAT-C13E_NAN01B08 / Nandua Creek - Lower Upper / Southwest of Fairview Neck area. North shore tributary of Nandua Cr. near mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 082-160 (effective 20160330).	4A	Aquatic Plants (Macrophytes)	2006	L	0.223
VAT-C13E_NAN02A06 / Nandua Creek - Lower / Lower portion of Nandua Creek including unsegmented tidal tribs., from the confluence of Boggs Gut downstream to mouth (RM 0.0). Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation identified.	4A	Aquatic Plants (Macrophytes)	2006	L	3.150
VAT-C13E_NSS01A06 / Nassawadox Creek - Upper [TMDL-bact.] / From end of tidal waters downstream to confluence with Kelly Cove (RM 5.2) area of TMDL-bact 6/07. Portion of CBP segment CB7PH. Portion of DSS shellfish direct harvesting condemnation # 085-110 B (effective 20161013).	4A	Aquatic Plants (Macrophytes)	2006	L	0.205
VAT-C13E_NSS01B08 / Nassawadox Creek - Upper / From confluence with Kelly Cove (RM 5.2) downstream to mainstem (outside of area of TMDL-bact 6/07). Portion of CBP segment CB7PH. Portion of DSS (OPEN) shellfish direct harvesting condemnation # 085-110 (effective 20161013).	4A	Aquatic Plants (Macrophytes)	2006	L	0.169
VAT-C13E_NSS02A06 / Nassawadox Creek - Lower / Mainstem of lower portion of creek to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 085-110 & 085-185 (effective 20161013).	4A	Aquatic Plants (Macrophytes)	2006	L	2.121
VAT-C13E_NSS03A08 / Nassawadox Creek - Middle, N. Shore Tribs / Occohannock Neck Area. North Shore UTs to lower-middle mainstem Nassawadox. Portion of CBP segment CB7PH. Portion of DSS shellfish direct harvesting condemnation # 085-110 A & C (effective 20161013).	4A	Aquatic Plants (Macrophytes)	2006	L	0.126
VAT-C13E_OCH01A06 / Occohannock Creek - Upper / Upper portion of Occohannock Creek and tidal tribs., from end of tidal waters downstream to the confluence of Wescott Cove (RM 5.3). Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 084-043 A (effective 2016116).	4A	Aquatic Plants (Macrophytes)	2006	L	0.538
VAT-C13E_OCH02A06 / Occohannock Creek - Lower / Lower portion of Occohannock Creek and tidal tribs., from downstream of	4A	Aquatic Plants (Macrophytes)	2006	L	2.469

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

Youngs Pt. to mouth (RM 0.0). Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 084-043 (effective 20161116).

VAT-C13E_OCH02B08 / Occohannock Creek - Middle Marina Area / In middle portion of Occohannock Creek, marina area of Davis Wharf. Portion of CBP segment CB7PH. DSS SEASONAL shellfish direct harvesting condemnation # 084-043 M1 (effective 20161116).	4A	Aquatic Plants (Macrophytes)	2006	L	0.034
VAT-C13E_OCH03A08 / Shields Cove & Fisher Cove / West of Belle Haven area. North and South shore tributaries of Occohannock Cr., NW of Youngs Pt. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 084-043 B & C (effective 20161116).	4A	Aquatic Plants (Macrophytes)	2006	L	0.087
VAT-C13E_WHC01A06 / Warehouse Creek - Upper / Southeast fork of upper portion of creek. Portion of CBP segment CB7PH. DSS ADMIN-PROHIB shellfish direct harvesting condemnation # 085-110 F (effective 20161013) (VPDES outfall condemnation for Shore Memorial Hospital STP VA0027537).	4A	Aquatic Plants (Macrophytes)	2006	L	0.032
VAT-C13E_WHC01B10 / Warehouse Creek - Upper Middle (Admin Cond) / Including northern fork and continuing downstream to bend near Wellington Neck. Portion of CBP segment CB7PH. DSS (Admin Cond) shellfish direct harvesting condemnation # 085-110C (effective 20161013).	4A	Aquatic Plants (Macrophytes)	2006	L	0.166
VAT-C13E_WHC02A06 / Warehouse Creek - Lower / Including bend near Wellington Neck to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 085-110 (effective 20161013).	4A	Aquatic Plants (Macrophytes)	2006	L	0.246
VAT-C13E_ZZZ01A00 / Unsegmented estuaries in C13E. / Evaluated non segmented portions of C13E. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation identified.	4A	Aquatic Plants (Macrophytes)	2006	L	0.752
VAT-C14E_BRL01A06 / Barlow Creek / In area of Old Town Neck. South shore tributary to lower Mattawoman Cr. Portion of CBP segment CB7PH. DSS OPEN shellfish direct harvesting condemnation # 086-136 (effective 20150827).	4A	Aquatic Plants (Macrophytes)	2006	L	0.049
VAT-C14E_HUG01A00 / Hungars Creek - Upper / Upper portion of Hungars Creek from end tidal waters downstream to Waterford Point (RM 1.8) @ confluence with Jacobus Cr. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 A (effective 20150827).	4A	Aquatic Plants (Macrophytes)	2006	L	0.138
VAT-C14E_HUG02A00 / Hungars Creek - Lower / Lower portion of Hungars Creek from Waterford Point (RM 1.8) @ confluence with Jacobus Cr. downstream to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 086-136 (effective 20150827).	4A	Aquatic Plants (Macrophytes)	2006	L	1.187
VAT-C14E_HUG02B12 / UT to Hungars Creek / Northern trib between Great Neck and Sparrow Point. Restricted portion of SF. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 E (effective 20150827).	4A	Aquatic Plants (Macrophytes)	2006	L	0.039
VAT-C14E_HUG02C14 / Hungars Creek - Northern Trib / Lower portion of Hungars Creek, Trib north of the mouth. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 D (effective 20150827).	4A	Aquatic Plants (Macrophytes)	2006	L	0.073
VAT-C14E_JAC01A06 / Jacobus Creek - Upper South Fork / West of Johnstown. Trib to Hungars Cr. Uppermost portion of south branch. Portion of CBP segment CB7PH. DSS (Admin - Prohibition) due to STP VA0023817 Outfall) shellfish direct harvesting	4A	Aquatic Plants (Macrophytes)	2006	L	0.028

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

condemnation # 086-136F (effective 20150827).

VAT-C14E_JAC02A06 / Jacobus Creek - Upper Forks / West of Johnsontown. Trib to Hungars Cr. Middle mainstem, north fork and lower portion of south fork. Portion of CBP segment CB7PH. DSS (Admin Cond) shellfish direct harvesting condemnation # 086-136 B (effective 20150827).	1A	Aquatic Plants (Macrophytes)	2006	L	0.152
VAT-C14E_JAC03A06 / Jacobus Creek - Lower / West of Johnsontown. South shore trib. to Hungars Cr. Lower mainstem portion. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 086-136 (effective 20150827).	4A	Aquatic Plants (Macrophytes)	2006	L	0.187
VAT-C14E_MAT01A06 / Mattawoman Creek - Upper / South of Wilsonia Neck. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 C (effective 20150827).	4A	Aquatic Plants (Macrophytes)	2006	L	0.155
VAT-C14E_MAT02A10 / Mattawoman Creek - Lower / South of Wilsonia Neck - mouth of Mattawoman Cr. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 086-136 (effective 20150827).	4A	Aquatic Plants (Macrophytes)	2006	L	0.357
VAT-C14E_THG01A06 / The Gulf - Upper / From end of tidal waters downstream to narrowing 0.45 mi. from mouth. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 087-174 A (effective 20150827).	4A	Aquatic Plants (Macrophytes)	2006	L	0.090
VAT-C14E_THG02A06 / The Gulf - Lower / From narrowing 0.45 mi. from mouth downstream to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish condemnation # 087-174 (20150827) & no DSS.	4A	Aquatic Plants (Macrophytes)	2006	L	0.204
VAT-C14E_WHS01A06 / Westerhouse Creek - North Branch & Upper Middle [TMDL] / In Church Neck area, west of Bridgetown. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 085-199 (20161013).	4A	Aquatic Plants (Macrophytes)	2006	L	0.243
VAT-C14E_WHS02A06 / Westerhouse Creek - Upper South Branch [TMDL] / In Church Neck area, west of Bridgetown. Upper portion of Westerhouse Creek South Branch. Portion of CBP segment CB7PH. Portion DSS shellfish direct harvesting condemnation # 085-199 A (effective 20130924).	4A	Aquatic Plants (Macrophytes)	2006	L	0.019
VAT-C14E_ZZZ01A00 / Unsegmented estuaries in C14E. / Evaluated non segmented portions of C14E - mouth of Matchotank & Hungars Crs. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 086-136.	4A	Aquatic Plants (Macrophytes)	2006	L	0.838
VAT-C15E_CCB01A06 / Cape Charles Beach / Located west of Town of Cape Charles, along Chesapeake Bay. Portion of CBP segment CB7PH. DSS (Administrative) shellfish harvesting condemnation 089-011 A (effective 20051202) which is present.	4A	Aquatic Plants (Macrophytes)	2006	L	0.079
VAT-C15E_CRS01A06 / Cherrystone Inlet - Upper / From Eyreville Neck end of tidal waters downstream to confluence with Chesapeake Bay. Including Old Castle Cr. Portion of CBP segment CB7PH. DSS OPEN shellfish direct harvesting condemnation # 088-139 (20161227).	4A	Aquatic Plants (Macrophytes)	2006	L	2.381
VAT-C15E_CRS01B18 / Cherrystone Inlet - Eyrehall Cr / SE trib to Cherryston Inlet. Portion of CBP segment CB7PH. DSS Restricted shellfish direct harvesting condemnation # 088-139 B (20161227).	4A	Aquatic Plants (Macrophytes)	2006	L	0.103
VAT-C15E_KNS01A00 / Kings Creek - Upper Forks and Middle / From end of tidal waters downstream 0.16 mi. past confluence of the two most upstream forks. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 088-139 A (20161227).	4A	Aquatic Plants (Macrophytes)	2006	L	0.093

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

VAT-C15E_KNS03A08 / Kings Creek - Lower Middle / From start of DSS marina area downstream to Cherrystone. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 088-139 (20161227) & Seasonal Condemnation M1.	1A	Aquatic Plants (Macrophytes)	2006	L	0.247
VAT-C15E_ZZZ01A08 / Unsegmented estuaries in C15E. / Evaluated non segmented portions of C15E. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation identified.	4A	Aquatic Plants (Macrophytes)	2006	L	0.587
VAT-C16E_CCH01A04 / Cape Charles Harbor - Upper / From most upstream end of harbor downstream to 1/2 distance to mouth (RM 0.23). Portion of CBP segment CB7PH. DSS ADMINISTRATIVE shellfish harvesting condemnation # 089-011 B (effective 20051202) (VPDES outfall Town of Cape Charles STP VA0021288).	4A	Aquatic Plants (Macrophytes)	2006	L	0.056
VAT-C16E_CCH02A00 / Cape Charles Harbor - Lower / From 1/2 distance to mouth (RM 0.23) downstream to mouth. Portion of CBP segment CB7PH. DSS ADMINISTRATIVE shellfish harvesting condemnation # 089-011 A (effective 20051202) (VPDES outfall Town of Cape Charles STP VA0021288).	4A	Aquatic Plants (Macrophytes)	2006	L	0.060
VAT-C16E_KPT01A06 / Kiptopeke Beach / Located west of Cedar Grove, along Chesapeake Bay, near southern tip of Eastern Shore. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation present.	4A	Aquatic Plants (Macrophytes)	2006	L	0.044
VAT-C16E_OPC01A06 / Old Plantation Creek - Upper [TMDL-bact] / Upper portion of Old Plantation Creek within TMDL-Bact (33771). CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 090-152 A (effective 20151222).	4A	Aquatic Plants (Macrophytes)	2006	L	0.044
VAT-C16E_OPC01B08 / Old Plantation Creek - Upper [No TMDL-bact] / Upper portion of Old Plantation Creek and one southeast embayment not within TMDL-Bact (33771). Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 090-152 A (effective 20151222).	4A	Aquatic Plants (Macrophytes)	2006	L	0.152
VAT-C16E_OPC02A00 / Old Plantation Creek - Lower / Lower portion of Old Plantation Creek, from approx. Red Bank (RM 2.0) downstream to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 090-152 (20151222).	4A	Aquatic Plants (Macrophytes)	2006	L	0.926
VAT-C16E_ZZZ01A00 / Unsegmented estuaries in C16E. / Evaluated non segmented portions of C16E. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation identified.	4A	Aquatic Plants (Macrophytes)	2006	L	0.146

Chesapeake Bay segment CB7PH

### **Shallow-Water Submerged Aquatic Vegetation**

Aquatic Plants (Macrophytes) - Total Impaired Size by Water Type: **575.220**

Estuary  
(Sq. Miles)      Reservoir  
(Acres)      River  
(Miles)

#### Sources:

Agriculture	Atmospheric Deposition - Nitrogen	Clean Sediments	Industrial Point Source Discharge
Internal Nutrient Recycling	Loss of Riparian Habitat	Municipal Point Source Discharges	Non-Point Source
Sediment Resuspension (Clean Sediment)	Source Unknown	Sources Outside State Jurisdiction or Borders	Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **CB8PH-SAV-BAY**      **Chesapeake Bay segment CB8PH**

Cause Location: This cause encompasses the complete CPB segment CB8PH.

City / County: Chesapeake Bay - County Not Applicable.      Norfolk City      Virginia Beach City

Use(s): Aquatic Life      Shallow-Water Submerged  
Aquatic Vegetation

Cause(s) / VA Category: Aquatic Plants (Macrophytes) / 4A

The acres of submerged aquatic vegetation (SAV) mapped through aerial surveys do not meet the criteria. Submerged Aquatic Vegetation acres goal is 10 acres. Aerial analysis of SAV over the three most recent years of data indicate segment has attained 61% of this goal. There is insufficient data to assess the water clarity criteria.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VACB-R01E-04DE / Chesapeake Bay - S. Thimble Island BSS Condemnation #163 / Va Dept of Health Shellfish zone #163. Open to shellfish harvesting as of 4/25/2007. S. Thimble Island. HUC: 02080101	4A	Aquatic Plants (Macrophytes)	2006	L	0.027
VACB-R01E-04EE / Chesapeake Bay - Off Little Creek BSS #068-017, Section C. / Va Dept of Health Shellfish (administrative) closure #068-017, A portion of section C. Off Little Creek. HUC: 02080101.[effective 2005-3-08]	4A	Aquatic Plants (Macrophytes)	2006	L	0.540
VACB-R01E-04GE / Chesapeake Bay - Off Little Creek BSS #068-017, Areas A & B / Va Dept of Health Shellfish (administrative) closure #068-017, Off Little Creek, Sections A and B. HUC: 02080101.[effective 2005-3-08]	4A	Aquatic Plants (Macrophytes)	2006	L	1.355
VACB-R01E-CB8 / Chesapeake Bay - CBP Segment CB8PH / This assessment unit is the mainstem portion of Chesapeake Bay Program segment CB8PH, located in the Virginia Chesapeake Bay between the mouths of the James River and mouth of Chesapeake Bay. HUC: 02080101.	4A	Aquatic Plants (Macrophytes)	2006	L	141.796
VAT-C07E_BCB01A06 / Buckroe Beaches / From northeast of Buckroe Beach southwest to parallel with start of Mill Cr. Portion of CBP Segment CB8PH. No DSS shellfish condemnations.	4A	Aquatic Plants (Macrophytes)	2006	L	0.224
VAT-C07E_FMB01A12 / Fort Monroe Beaches / All of Fort Monroe Beach from the start of Mill Cr south to Lighthouse Old Point Comfort. Portion of CBP Segment CB8PH. No DSS shellfish condemnations.	4A	Aquatic Plants (Macrophytes)	2006	L	0.333
VAT-C07E_GRV01A06 / Grandview Pier & Saltponds Beaches / From Grandview beach southwest to northeast of Buckroe Beach. Offshore of Buckroe Beach VDH monitoring. area Portion of CBP Segment CB8PH. No DSS shellfish condemnation present.	4A	Aquatic Plants (Macrophytes)	2006	L	0.241
VAT-C07E_GRV02A10 / Grandview Pier & Saltponds Beaches [No TMDL] / From southernmost point of Grandview Beach southwest to northeast of Buckroe Beach. Shoreward of GRV01A06. Portion of CBP Segment CB8PH. DSS ADMIN shellfish condemnation # 055-216 A (effective 20080530).	4A	Aquatic Plants (Macrophytes)	2006	L	0.119
VAT-C08E_CBB01A06 / 13th View Beach / Located along Chesapeake Bay, in Norfolk. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	4A	Aquatic Plants (Macrophytes)	2006	L	0.353
VAT-C08E_CBB01B14 / Sara Constance Park and Ocean View Park Beaches / Located along Chesapeake Bay, in Norfolk. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting	4A	Aquatic Plants (Macrophytes)	2006	L	0.140

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

condemnations present.

VAT-C08E_CBB01C16 / 10th View Beach / Located along Chesapeake Bay, in cities of Norfolk and Virginia Beach. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	4A	Aquatic Plants (Macrophytes)	2006	L	0.152
VAT-C08E_CBB02A16 / Ches Bay Beaches / Located along Chesapeake Bay, in cities of Norfolk and Virginia Beach. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	4A	Aquatic Plants (Macrophytes)	2006	L	0.675
VAT-C08E_CBB03A16 / Chicks Beach / Located along Chesapeake Bay near Chesapeake Bay Bridge Tunnel, in cities of Norfolk and Virginia Beach. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	4A	Aquatic Plants (Macrophytes)	2006	L	0.433
VAT-C08E_CBB04A16 / Shore Drive Beaches -East / Located along Chesapeake Bay, Virginia Beach. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	4A	Aquatic Plants (Macrophytes)	2006	L	1.041
VAT-C08E_LCC01A08 / Little Creek & Harbor / Entire area of Little Creek and upper portion of Little Creek Harbor. From headwaters of Little Cr. downstream to lower portion of Harbor at mouth of Bay. CBP segment CB8PH. DSS (ADMINISTRATIVE) condemnation # 068-017 C (effective 20050308).	4A	Aquatic Plants (Macrophytes)	2006	L	1.064

Chesapeake Bay segment CB8PH

### **Shallow-Water Submerged Aquatic Vegetation**

Aquatic Plants (Macrophytes) - Total Impaired Size by Water Type: **148.492**

Estuary  
(Sq. Miles)

Reservoir  
(Acres)

River  
(Miles)

#### Sources:

Agriculture	Atmospheric Deposition - Nitrogen	Clean Sediments	Industrial Point Source Discharge
Internal Nutrient Recycling	Loss of Riparian Habitat	Municipal Point Source Discharges	Non-Point Source
Sediment Resuspension (Clean Sediment)	Source Unknown	Sources Outside State Jurisdiction or Borders	Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **D01E-02-BAC**

**Little Mosquito Creek**

Cause Location: This cause encompasses the upper and lower portions of the Creek.

City / County: Accomack Co.

Use(s): Recreation

Cause(s) / VA Category: Enterococcus / 4A

The Recreation Use is not supporting due to exceedance of the criteria for Enterococci bacteria (7 violates / 35 obs.) at 7-LTM000.80. TMDL for Little Mosquito approved for SF and Recreation 1/15/2008.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D01E_LTM01A06 / Little Mosquito Creek - Upper / From headwaters downstream to confluence of Snead Branch. Area of DSS Prohibited (ADMINISTRATIVE-due to VPDES outfall @ VA0024457) condemnation 100-032 B (effective 2010-11-08).	4A	Enterococcus	2004	L	0.071
VAT-D01E_LTM02A04 / Little Mosquito Creek - Lower / From confluence of Snead Branch downstream to mouth. DSS shellfish ADMINISTRATIVE CONDEMNATION # 100-032 A (effective 2010-11-08).	4A	Enterococcus	2004	L	0.138
Little Mosquito Creek			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>		Enterococcus - Total Impaired Size by Water Type:	<b>0.208</b>		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **D01E-02-DO**

**Little Mosquito Creek**

Cause Location: This cause encompasses the upper and lower portions of the Creek.

City / County: Accomack Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Oxygen, Dissolved / 5A

Aquatic Life Use not supporting based on DO criteria exceedances with 5 violations / 35 observation at the downstream station. pH supports Aquatic Life Use with 0 violations / 35 observations. The data to assess the Aquatic Life Use is extrapolated from downstream station (DEQ-AQM station @ 7-LTM000.80).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D01E_LTM01A06 / Little Mosquito Creek - Upper / From headwaters downstream to confluence of Snead Branch. Area of DSS Prohibited (ADMINISTRATIVE-due to VPDES outfall @ VA0024457) condemnation 100-032 B (effective 2010-11-08).	5A	Oxygen, Dissolved	2008	H	0.071
VAT-D01E_LTM02A04 / Little Mosquito Creek - Lower / From confluence of Snead Branch downstream to mouth. DSS shellfish ADMINISTRATIVE CONDEMNATION # 100-032 A (effective 2010-11-08).	5A	Oxygen, Dissolved	2004	H	0.138
Little Mosquito Creek			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>		Oxygen, Dissolved - Total Impaired Size by Water Type:	<b>0.208</b>		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **D01E-04-BAC**

**Swans Gut Creek**

**Cause Location:** This cause encompasses from the Virginia/Maryland state line downstream to Rivermile 0.13, above the confluence with Chincoteague Bay.

**City / County:** Accomack Co.

**Use(s):** Recreation

**Cause(s) / VA Category:** Enterococcus / 4A

Recreation Use is impaired based on exceeding criteria (8 violates / 17 obs.) for Enterococcus bacteria @ 7-SGT002.46. Impairment is included in the Bacteria TMDL for Swans Gut Creek EPA approved 1/15/2008.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D01E_SGT01A04 / Swans Gut Creek / From Virginia/Maryland 4A state line downstream to RM 0.13, above the confluence with Chincoteague Bay. DSS shellfish direct harvesting Restricted ADMIN condemnation # 100-097 A (effective 2012-10-25).	Enterococcus	2006	L	0.100
Swans Gut Creek		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>	Enterococcus - Total Impaired Size by Water Type:	<b>0.100</b>		

**Sources:**

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **D01E-04-DO**

**Swan Gut Creek**

Cause Location: This cause encompasses the entirety of Swan Gut Creek. From Virginia/Maryland state line downstream to Rivermile 0.13, above the confluence with Chincoteague Bay.

City / County: Accomack Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Oxygen, Dissolved / 5A

The Aquatic Life Use is impaired based on DO exceedances of 2 / 17 at station 7-SGT002.46.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D01E_SGT01A04 / Swans Gut Creek / From Virginia/Maryland 5A state line downstream to RM 0.13, above the confluence with Chincoteague Bay. DSS shellfish direct harvesting Restricted ADMIN condemnation # 100-097 A (effective 2012-10-25).	Oxygen, Dissolved	2004	L	0.100
Swan Gut Creek		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>	Oxygen, Dissolved - Total Impaired Size by Water Type:	<b>0.100</b>		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** D01E-13-SF

**Greenbackville Harbor**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 100-153 A, 11/9/2005.

City / County: Accomack Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is not supporting due to the DSS shellfish harvesting condemnation # 100-153 A effective date 11-09-2005 within this segment. Shellfish Impairment included in Chincoteague Bay EPA approved 1/15/2008 TMDL.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D01E_GBV01A06 / Greenbackville Harbor - DSS / Northern Chincoteague Bay DSS condemnation # 100-153 A (effective 2005-11-09).	4A	Fecal Coliform	1998	L	0.009
Greenbackville Harbor			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing		Fecal Coliform - Total Impaired Size by Water Type:	0.009		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** D01E-17-SF

**Swans Gut Creek-restricted SF**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 100-097 A (effective 2012-10-25).

City / County: Accomack Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfish Use is not supported based on the DSS Condemnation # 100-097 A effective date 20121025. This impairment was split from VAT-D01E\_SGT02A08 in 2016. This SF restricted area in 2016 is included in the TMDL for Shellfish Areas Listed due to Bacterial Contamination: Chincoteague Bay EPA approved 7/31/2008.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D01E_SGT01B16 / Swans Gut Creek / From RM 0.13 to end of restricted SF area (confluence with Chincoteague Bay). DSS shellfish direct harvesting condemnation # 100-097 A (effective 2012-10-25).	4A	Fecal Coliform	2016	L	0.004
Swans Gut Creek-restricted SF			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing		Fecal Coliform - Total Impaired Size by Water Type:	0.004		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** D02E-01-BAC

**Assawoman Creek**

**Cause Location:** This cause encompasses the entirety of Assawoman Creek. This Creek is North of Assawoman Island and discharges to Womans Bay.

**City / County:** Accomack Co.

**Use(s):** Recreation

**Cause(s) / VA Category:** Enterococcus / 4A

The Recreation Use is not supporting based on Enterococcus exceedances of the swimming criteria indicator at the lower segment (12 violates / 34 obs.) at Station 7-ASW003.36. The upper portion of Assawoman assess Recreation Use based on the extrapolated from downstream station.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D02E_ASW01A00 / Assawoman Creek - Upper / From headwaters downstream to confluence of Pettit Branch (RM 3.4). Portion of DSS shellfish direct harvesting condemnation # 099-135A (effective 2016-10-27)	4A	Enterococcus	1998	L	0.073
VAT-D02E_ASW02A00 / Assawoman Creek - Lower / From confluence of Pettit Branch downstream to end of Shellfish Condemnation. Portion of DSS shellfish direct harvesting condemnation # 099-135 (effective date 2016-10-27).	4A	Enterococcus	1998	L	0.054
VAT-D02E_ASW02B12 / Assawoman Creek - Lower / From end of condemnation to mouth . Portion of DSS shellfish direct harvesting condemnation # OPEN 099-135 (effective date 2016-10-27).	4A	Enterococcus	1998	L	0.010
Assawoman Creek			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>					
Enterococcus - Total Impaired Size by Water Type:			<b>0.136</b>		

**Sources:**

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** D02E-01-DO

**Assawoman Creek**

**Cause Location:** This cause encompasses the entirety of Assawoman Creek. This Creek is North of Assawoman Island and discharges to Womans Bay.

**City / County:** Accomack Co.

**Use(s):** Aquatic Life

**Cause(s) / VA Category:** Oxygen, Dissolved / 5A

The Aquatic Life Use is impaired based on DO concentrations that exceed the criteria for this parameter with 8 violates/ 36 obs. At Station 7-ASW003.36. The upper portion of Assawoman Creek assessed using downstream monitoring at Station 7-ASW003.36.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D02E_ASW01A00 / Assawoman Creek - Upper / From headwaters downstream to confluence of Pettit Branch (RM 3.4). Portion of DSS shellfish direct harvesting condemnation # 099-135A (effective 2016-10-27)	5A	Oxygen, Dissolved	2008	H	0.073
VAT-D02E_ASW02A00 / Assawoman Creek - Lower / From confluence of Pettit Branch downstream to end of Shellfish Condemnation. Portion of DSS shellfish direct harvesting condemnation # 099-135 (effective date 2016-10-27).	5A	Oxygen, Dissolved	2004	H	0.054
VAT-D02E_ASW02B12 / Assawoman Creek - Lower / From end of condemnation to mouth . Portion of DSS shellfish direct harvesting condemnation # OPEN 099-135 (effective date 2016-10-27).	5A	Oxygen, Dissolved	2004	H	0.010
Assawoman Creek			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life					
Oxygen, Dissolved - Total Impaired Size by Water Type:			0.136		

**Sources:**

Source Unknown



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** D02E-01-SF

**Assawoman Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 099-135 A 10/27/2016.

City / County: Accomack Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is not supporting based on DSS Condemnation # 099-135 A effective date 10-27-2016. TMDL for Recreation and Shellfish bacteria impairments completed and approved 1/15/2008.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D02E_ASW01A00 / Assawoman Creek - Upper / From headwaters downstream to confluence of Pettit Branch (RM 3.4). Portion of DSS shellfish direct harvesting condemnation # 099-135A (effective 2016-10-27)	4A	Fecal Coliform	1998	L	0.073
VAT-D02E_ASW02A00 / Assawoman Creek - Lower / From confluence of Pettit Branch downstream to end of Shellfish Condemnation. Portion of DSS shellfish direct harvesting condemnation # 099-135 (effective date 2016-10-27).	4A	Fecal Coliform	1998	L	0.054
Assawoman Creek			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing			Fecal Coliform - Total Impaired Size by Water Type: <b>0.126</b>		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** D02E-10-SF

**Unsegmented estuaries in D02E**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 099-135 A 10/27/2016.

City / County: Accomack Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is not supporting based on DSS Condemnation # 099-135 A effective date 10-27-2016. Nested within Assawoman Creek TMDL completed and approved 1/15/2008.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D02E_ZZZ01B10 / Unsegmented estuaries in D02E / Evaluated non-segmented estuaries in D02E. DSS shellfish condemnations 099-135 A (effective 10/27/2016).	4A	Fecal Coliform	2010	L	0.007

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Unsegmented estuaries in D02E			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>		Fecal Coliform - Total Impaired Size by Water Type:	<b>0.007</b>		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **D02R-01-BAC**

**Pettit Branch**

**Cause Location:** This cause encompasses the entirety of the Pettit Branch water. South shore tributary to Assawoman Creek. From headwaters to start of tidal waters.

**City / County:** Accomack Co.

**Use(s):** Recreation

**Cause(s) / VA Category:** Escherichia coli / 4A

The Recreation Use is impaired due to exceedance of the criteria for E.coli bacteria at station 7-PET000.80. TMDL completed and approved 11/7/2008.

1998 CD segment for FC & benthics (Attachment A, Category 1, Part 1) VAT-D02R-01.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D02R_PET01A00 / Pettit Branch / South shore tributary to Assawoman Creek. From headwaters to start of tidal waters.	4A	Escherichia coli	1998	L	1.88
Pettit Branch			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>		Escherichia coli - Total Impaired Size by Water Type:			<b>1.88</b>

**Sources:**

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **D02R-01-BEN**

**Pettit Branch**

Cause Location: This cause encompasses the entirety of the Pettit Branch water. South shore tributary to Assawoman Creek. From headwaters to start of tidal waters.

City / County: Accomack Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Benthic-Macroinvertebrate Bioassessments / 4A

DEQ Streams Benthic-Macroinvertebrate Bioassessments using VCPMI. The Aquatic Life Use is impaired due to impacts to the stream's benthic population (VCPMI [2015: S= 25.4 F= 9.2 ; 2013: 14.4, 2010\_IM: S=9.0, F=20.2] [2008\_IM: S=11.7, F=23.0]. Possible runoff effects from Eastern Shore Seafood.

TMDL EPA approved 7/29/2010 for benthic D02R-01-BEN

1998 CD segment for FC & benthics (Attachment A, Category 1, Part 1) VAT-D02R-01.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D02R_PET01A00 / Pettit Branch / South shore tributary to Assawoman Creek. From headwaters to start of tidal waters.	4A	Benthic-Macroinvertebrate Bioassessments	1996	L	1.88
Pettit Branch			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>					
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:					<b>1.88</b>

### Sources:

Seafood Processing  
Operations

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **D03E-01-DO**

**Gargathy Creek - Upper & Lower**

Cause Location: This cause encompasses the entirety of the Gargathy Creek upper and lower portions.

City / County: Accomack Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Oxygen, Dissolved / 4A

The Aquatic Life use is impaired based on concentrations that exceed the criteria for this parameter (5 violates / 36 obs.) at Station 7-GAR001.80. EPA approved DO TMDL 10/17/2012.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D03E_GAR01A04 / Gargathy Creek - Upper / Upper estuarine portion of Gargathy Creek from headwaters downstream to end of DSS condemnation. Portion of DSS OPEN shellfish direct harvesting condemnation # 098-172 (effective 2010-06-30).	4A	Oxygen, Dissolved	2006	L	0.122
VAT-D03E_GAR02A04 / Gargathy Creek - Lower / Lower estuarine portion of Gargathy Creek, from point at Cutoff Creek to downstream confluence with Gargathy Bay (RM 1.38). Portion of DSS shellfish direct harvesting condemnation # 098-172 (effective 2010-06-30).	4A	Oxygen, Dissolved	2004	L	0.009
Gargathy Creek - Upper & Lower			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			Oxygen, Dissolved - Total Impaired Size by Water Type:		
			<b>0.130</b>		

Sources:

Natural Conditions - Water  
Quality Standards Use  
Attainability Analyses  
Needed

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **D03E-02-BAC**

**Finney Creek - Upper**

**Cause Location:** This cause encompasses the upper portion of Gargathy Creek. Tributary to Hummock Cove, station located near Locustville. Upper portion upstream of widening (approx, RM 2.38).

**City / County:** Accomack Co.

**Use(s):** Recreation

**Cause(s) / VA Category:** Fecal Coliform / 4A

The Recreation Use is impaired due to 7 viol / 11 obs. of the criteria for Enterococci bacteria at DEQ (AQM) station @ 7-FNC002.46. Previous impairment was based on Fecal Coliform data during the 2006 cycle at Station 7-FNC002.43. The Recreation Use impairment is included in the TMDL for Pathogens for Finney Creek, EPA approved 9/ 2012.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D03E_FNC01A04 / Finney Creek - Upper / Tributary to Hummock Cove, station located near Locustville. Upper portion upstream of widening (approx. RM 2.38). No DSS shellfish direct harvesting condemnation.	4A	Fecal Coliform	2004	L	0.002

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Finney Creek - Upper	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>			
Fecal Coliform - Total Impaired Size by Water Type:	<b>0.002</b>		

**Sources:**

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **D03E-04-BAC**

**Folly Creek - Upper & Middle**

**Cause Location:** This cause encompasses the upper and middle portions of Folly Creek. Tributary to Metompkin Bay. Upper estuarine portion of Folly Creek, from headwaters past Cross Creek and discharges into Metompkin Bay.

**City / County:** Accomack Co.

**Use(s):** Recreation

**Cause(s) / VA Category:** Enterococcus / 4A

The Recreation Use is impaired based on Enterococcus concentrations that exceed the swimming criteria indicator (3 violates / 35 obs.) at downstream Station 7-FLL002.46. Recreation impairment is nested within the Shellfish TMDL EPA approved 1/2008.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D03E_FLL01A08 / Folly Creek - Upper & Middle / Tributary to Metompkin Bay. Upper and middle estuarine portion of Folly Creek, from end of tidal downstream to end of shellfish condemnation. DSS OPEN shellfish condemnation # 097-173 (effective date 20130905).	4A	Enterococcus	2006	L	0.376
Folly Creek - Upper & Middle <b>Recreation</b>			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:			<b>0.376</b>		

**Sources:**

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **D03E-05-BAC**

**Parker Creek - Middle & Lower**

**Cause Location:** This cause encompasses the middle and lower portions of Parker Creek. Tributary to Metompkin Bay. Middle estuarine portion of creek, from confluence of North Fork (RM 1.3) downstream to end of DSS condemnation.

**City / County:** Accomack Co.

**Use(s):** Recreation

**Cause(s) / VA Category:** Enterococcus / 4A

The Recreation Use is impaired based on Enterococcus data collected at 7-PAR001.20 with 4 viol /11 obs. There is a TMDL for Recreation and Shellfish impairments that was EPA approved 1/15/2008.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D03E_PAR01A06 / Parker Creek - Middle / Tributary to Metompkin Bay. Middle estuarine portion of creek, from confluence of North Fork (RM 1.3) downstream to end of DSS (ADMINISTRATIVE) shellfish condemnation # 098-098B (effective 2005-06-15).	4A	Enterococcus	2006	L	0.018
VAT-D03E_PAR02A06 / Parker Creek - Lower / Tributary to Metompkin Bay. Lower estuarine portion of creek, from start of DSS shellfish condemnation downstream to mouth (RM 0.0). DSS shellfish condemnation # 098-098A (effective 2005-06-15).	4A	Enterococcus	2006	L	0.029
Parker Creek - Middle & Lower <b>Recreation</b>			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:			<b>0.047</b>		

**Sources:**

Source Unknown



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **D03E-07-BAC**

**Wachapreague Channel**

Cause Location: This cause encompasses a portion of Wachapreague Channel. Portion below Bunting Point Road to boat launch. Segment around area at Wachapreague Harbor.

City / County: Accomack Co.

Use(s): Recreation

Cause(s) / VA Category: Enterococcus / 5A

Recreational Use is not supported based on the Enterococci data which violates 2 out of 11 observations at DEQ station @ 7-WAS003.26.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D04E_WAS02A14 / Wachapreague Channel / Located east of 5A Wachapreague. Segment around area at Wachapreague harbor. DSS shellfish harvesting condemnation # 097-219 M1 (effective 2013-09-05).	Enterococcus	2008	L	0.026
Wachapreague Channel		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>	Enterococcus - Total Impaired Size by Water Type:	<b>0.026</b>		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** D03E-07-DO

**Wachapreague Channel**

Cause Location: This cause encompasses a portion of Wachapreague Channel. Portion below Bunting Point Road to boat launch. Segment around area at Wachapreague Harbor.

City / County: Accomack Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Oxygen, Dissolved / 5A

Aquatic Life Use is impaired for DO with 2 viol / 17 obs at station 7-WAS003.26.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D03E_WAS01A08 / Wachapreague Channel / Located east of 5A Wachapreague. Segment around area at Wachapreague harbor. DSS shellfish seasonal direct harvesting condemnation Seasonal # 097-219 M1 (effective 2013-09-05).	Oxygen, Dissolved	2018	L	0.072
VAT-D04E_WAS02A14 / Wachapreague Channel / Located east of 5A Wachapreague. Segment around area at Wachapreague harbor. DSS shellfish harvesting condemnation # 097-219 M1 (effective 2013-09-05).	Oxygen, Dissolved	2018	L	0.026
Wachapreague Channel		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life		Oxygen, Dissolved - Total Impaired Size by Water Type: <b>0.098</b>		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **D03E-08-DO**

**Northam Creek**

Cause Location: This cause encompasses a portion of Northam narrows between Hog Neck Creek and Mud Narrows, below Assawoman Creek.

City / County: Accomack Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Oxygen, Dissolved / 5A

The Aquatic Life Use impairment is retained due to dissolved oxygen concentrations from 2008 Assessment (3 violates / 3 obs.) below the criteria minimum.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D03E_NOT01A08 / Northam Creek / Estuarine portion of Northam Creek DSS (OPEN) # 099-135 OPEN effective date 2016-10-27.	5A	Oxygen, Dissolved	2004	L	0.028

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Northam Creek			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>					
Oxygen, Dissolved - Total Impaired Size by Water Type:			<b>0.028</b>		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **D03R-01-BAC**

**Parker Creek**

Cause Location: This cause encompasses the Riverine section of Parker Creek, from headwaters (at PERDUE plant - VA0003808) downstream to start of tidal waters (downstream of RM 2.9). Located northeast of Accomack.

City / County: Accomack Co.

Use(s): Recreation

Cause(s) / VA Category: Escherichia coli / 4A

The Recreation Use is impaired due to exceedance of the criteria for E.coli bacteria (7-PAR003.09 - 26 violates / 33 obs.) and (7-PAR004.35 - 0 violates / 2 obs. impairments dropped off and therefore station can not be delisted).NESTED within Parker Creek TMDL for Recreation and Shellfish impairments EPA approved 1/15/2008.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D03R_PAR01A00 / Parker Creek / Riverine section of Parker Creek, from headwaters (at PERDUE plant - VA0003808) downstream to start of tidal waters (downstream of RM 2.9). Located northeast of Accomack.	4A	Escherichia coli	1994	L	2.02
Parker Creek			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>		Escherichia coli - Total Impaired Size by Water Type:			<b>2.02</b>

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **D03R-01-BEN**

**Parker Creek**

Cause Location: This cause encompasses the Riverine section of Parker Creek, from headwaters (at PERDUE plant - VA0003808) downstream to start of tidal waters (downstream of RM 2.9). Located northeast of Accomack.

City / County: Accomack Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Benthic-Macroinvertebrate Bioassessments / 4A

The Aquatic Life Use is impaired due to impacts to the stream's benthic population. Benthic population impacts were recorded at the following sample events:

7-PAR003.09 - VCPMI [2012\_IM: S=8.0, F=14.4, 2013: S=10.7 F=15.5 2014: F=18.0 2015: S= 9.1 F= 7.7 2016: S= 8.0 F= 31.2]

7-PAR004.35 - VCPMI [2009: S=1.9 F=10.5 2010: S=12.7 F=19.1 2011: S=16.5 F=12.5 2012: S=13.2, F=31.2; 2013: S=19.4 F=17.6 2014: F=18.8 2015: S= 13.2 F= 18.8 2016: S= 9.0 F= 22.3]

TMDL for benthic EPA approved 11/7/08.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D03R_PAR01A00 / Parker Creek / Riverine section of Parker Creek, from headwaters (at PERDUE plant - VA0003808) downstream to start of tidal waters (downstream of RM 2.9). Located northeast of Accomack.	4A	Benthic-Macroinvertebrate Bioassessments	1994	L	2.02
Parker Creek			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>					
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:					<b>2.02</b>

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **D03R-02-BAC**

**Gargathy Creek**

**Cause Location:** This cause encompasses the Riverine portion of Gargathy Creek, from headwaters downstream to beginning of tidal waters. Located southeast of Nelsonia.

**City / County:** Accomack Co.

**Use(s):** Recreation

**Cause(s) / VA Category:** Escherichia coli / 4A

The Recreation Use impairment is retained from 2004 list date for Fecal Coliform. No bacteria data within assessment window. TMDL of DO and Pathogens for Gargathy Creek (Upper, Lower and Riverine Portions) in Accomack County, Virginia EPA approved 10/17/2012.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D03R_GAR01A02 / Gargathy Creek / Riverine portion of Gargathy Creek, from headwaters downstream to beginning of tidal waters. Located southeast of Nelsonia.	4A	Escherichia coli	2004	L	2.83
Gargathy Creek			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>					
Escherichia coli - Total Impaired Size by Water Type:					<b>2.83</b>

**Sources:**

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **D03R-03-BEN**

**Ross Branch**

**Cause Location:** This cause encompasses the Riverine section of Ross Branch, segment begins at headwaters extending downstream to start of tidal waters. Located south of Accomack. Tributary to Folly Creek.

**City / County:** Accomack Co.

**Use(s):** Aquatic Life

**Cause(s) / VA Category:** Benthic-Macroinvertebrate Bioassessments / 5A

The Aquatic Life Use is impaired due to impacts to the stream's benthic population. DEQ Streams Benthic-Macroinvertebrate Bioassessments using VCPMI at Station 7-RSS001.40. VCPMI [2014: F=26.4 2012: F=29.3, 2010: S=13.0, F=12.6] Site is often dominated by high numbers of scuds which drive down taxa richness scores. Site is possibly affected by agricultural runoff.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D03R_RSS01A02 / Ross Branch / Tributary to Folly Creek. Riverine section of Ross Branch, segment begins at headwaters extending downstream to start of tidal waters. Located south of Accomack.	5A	Benthic-Macroinvertebrate Bioassessments	2002	L	3.20
Ross Branch			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>					
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:					<b>3.20</b>

**Sources:**

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **D03R-04-BEN**

**Unnamed tributary to Folly Creek**

Cause Location: This cause encompasses the headwaters downstream to start of tidal waters. Located east of Accomack, near Edge Hill Cemetery.

City / County: Accomack Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

The Aquatic Life Use is impaired based on benthic VCPMI scores. Benthic population impacts were recorded at the following sample events: 7-XDE000.40 - VCPMI [2012: F=36.4] and [2014: F=50.4] and [2010\_IM: S=14.1, F=54.0] and [2008: S=13.0, F=37.3] and [2007: S=12.2 and F = 29.7]. Observations during benthic data collection - Stream has a petroleum smell.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D03R_XDE01A02 / Unnamed tributary to Folly Creek / Segment begins at headwaters downstream to start of tidal waters. Located east of Accomack, near Edge Hill Cemetery.	5A	Benthic-Macroinvertebrate Bioassessments	2002	L	1.53
Unnamed tributary to Folly Creek			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>					
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:					<b>1.53</b>

Sources:

Leaking Underground  
Storage Tanks

Source Unknown



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **D03R-05-BEN**

**Rattrap Creek**

**Cause Location:** This cause encompasses the end of Finneys Creek near Locustville. Near Intersection of Drummond Rd and Locustville Rd, approx 2.6 mi.

**City / County:** Accomack Co.

**Use(s):** Aquatic Life

**Cause(s) / VA Category:** Benthic-Macroinvertebrate Bioassessments / 5A

The Aquatic Life Use is impaired based on the streams Benthic population as recorded at the following sample event: 7-RTT000.49 with VCPMI [IM\_ 2014: S=35.3 2013: F=31.6 2010: S=23.2, F=26.8].

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D03R_RTT01A12 / Rattrap Creek / End of Finneys Creek near 5A Locustville. Near Intersection of Drummond Rd and Locustville Rd, approx 2.6 mi.	Benthic-Macroinvertebrate Bioassessments	2012	L	2.73
Rattrap Creek		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>				
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:				<b>2.73</b>

**Sources:**

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** D03R-06-BEN

**North Fork**

**Cause Location:** This cause encompasses the north Fork of Parker Creek. Near Parker Neck. From the end of tidal waters crossing US Route 13 to end of stream.

**City / County:** Accomack Co.

**Use(s):** Aquatic Life

**Cause(s) / VA Category:** Benthic-Macroinvertebrate Bioassessments / 5A

The Aquatic Life Use is impaired based on the benthic VCPMI scores collected at station 7-PNF001.98. Benthic Data IM [2011: S=39.4 F=10.0 2013: F=7.2 2014: S=16.4]. There is potential stress causing the low scores at this site. Physical habitat conditions may also be influencing diversity, as riparian zone width is suboptimal and there is noticeable sedimentation in the stream.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D03R_PNF01A14 / North Fork / North Fork of Parker Creek. Near Parker Neck. From the end of tidal waters crossing US Route 13 to end of stream.	5A	Benthic-Macroinvertebrate Bioassessments	2016	L	3.13
North Fork			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>					
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:					<b>3.13</b>

**Sources:**

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** D03R-07-BEN

**Custis Creek**

Cause Location: This cause encompasses the riverine portion of Creek off of Burtons Bay near Locustville.

City / County: Accomack Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

The Aquatic Life Use is not supported based on the benthic macroinvertebrate data collected at Station 7-CUS004.08. Benthic data was evaluated using the VCPMI index. Data was collected in 2013 with S=17.5 and F= 15.5. This is a small first order stream on the eastern shore similar to Ross Branch in habitat. Custis Creek site has limited instream habitat for colonization of benthic organisms and may be subject to agricultural runoff from nearby farm fields. The stream seems to be dominated by midges and fingernail clams. Both values are below the 40 VCPMI criteria and therefore this station is listed as impaired.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D03R_CUS01A16 / Custis Creek / Riverine portion of Creek off5A of Burtons Bay near Locustville.	Benthic-Macroinvertebrate Bioassessments	2016	L	1.22
Custis Creek		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>				
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:				<b>1.22</b>

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **D04E-01-DO**

**Red Bank Creek**

Cause Location: This cause encompasses all portions of Red Bank Creek. Tributary to Hog Island Bay.

City / County: Northampton Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Oxygen, Dissolved / 5A

The Aquatic Life Use impairment is retained from 2008 Assessment. No new data within assessment window. Impaired (2 violates / 3 obs.) due to dissolved oxygen concentrations below the criteria minimum (4.0 mg/l).

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D04E_RBC01A08 / Red Bank Creek - Upper / Tributary to Hog Island Bay. Southeast of Marionville, near Brick House Neck. Segment from end of tidal waters downstream to confluence of UT (XDF). DSS shellfish direct harvesting condemnation # 095-192 (effective 2011-9-08).	Oxygen, Dissolved	2004	L	0.003
Red Bank Creek		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>	Oxygen, Dissolved - Total Impaired Size by Water Type:	<b>0.003</b>		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **D04E-02-DO**

**Unnamed tributary to Red Bank Creek**

**Cause Location:** This cause encompasses a portion of an unnamed Tributary to Red Bank Creek. Southeast of Marionville, near Brick House Neck. Segment from first branching of creek (RM 0.3) downstream to confluence with Red Bank Creek. DSS shellfish direct harvesting condemnation

**City / County:** Northampton Co.

**Use(s):** Aquatic Life

**Cause(s) / VA Category:** Oxygen, Dissolved / 5A

The Aquatic Life Use impairment is retained based on DO violations. Previous Assessment: The Aquatic Life Use is impaired due to dissolved oxygen concentrations (2 violates / 4 obs.) below the criteria minimum (4.0 mg/l).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D04E_XDF01A04 / Unnamed tributary to Red Bank Creek / Tributary to Red Bank Creek. Southeast of Marionville, near Brick House Neck. Segment from first branching of creek (RM 0.3) downstream to confluence with Red Bank Creek. DSS OPEN shellfish direct harvesting condemnation # 095-192 A (effective 2011-9-08).	5A	Oxygen, Dissolved	2004	L	0.009
Unnamed tributary to Red Bank Creek			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>					
Oxygen, Dissolved - Total Impaired Size by Water Type:			<b>0.009</b>		

**Sources:**

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **D04E-05-BAC**

**Machipongo River**

Cause Location: This cause encompasses from the end of tidal waters downstream to 0.5 mi. south of Rt. 182 crossing (minus area at mouth of Greens Creek).

City / County: Accomack Co. Northampton Co.

Use(s): Recreation

Cause(s) / VA Category: Enterococcus / 4A

The Recreation Use is impaired based on E.coli concentration exceed the swimming criteria indicator at station 7-MAC008.55 (2 violates/ 15 obs.). A Bacteria TMDL Development in Red Bank Creek and Machipongo River, Virginia was completed and EPA approved 1/26/2015.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D04E_MAC01A00 / Machipongo River / Located east of Exmore. Segment extends from end of tidal waters downstream to 0.5 mi. south of Rt 182 crossing (minus area at mouth of Greens Creek). DSS condemnation # 096-218 A (effective date 2009-9-11).	4A	Enterococcus	2008	L	0.314

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Machipongo River	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>			
Enterococcus - Total Impaired Size by Water Type:	<b>0.314</b>		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** D04E-05-SF

**Machipongo River**

Cause Location: Described in VDH Notice and Description of Shellfish Direct Harvesting Condemnation #096-218A (effective date 2009-09-11).

City / County: Accomack Co. Northampton Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 4A

The Shellfishing Use is not supporting with DSS shellfish condemnation #096-218A (effective date 2009-9-11). Bacteria TMDL Development in Red Bank Creek and Machipongo River, Virginia was completed and EPA approved 1/26/2015.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D04E_MAC01A00 / Machipongo River / Located east of Exmore. Segment extends from end of tidal waters downstream to 0.5 mi. south of Rt 182 crossing (minus area at mouth of Greens Creek). DSS condemnation # 096-218 A (effective date 2009-9-11).	4A	Fecal Coliform	2008	L	0.314

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Machipongo River	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shellfishing</b>			
Fecal Coliform - Total Impaired Size by Water Type:			
	<b>0.314</b>		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **D04R-01-DO**

**Red Bank Creek**

Cause Location: This cause encompasses the area southeast of Marionville. Segment from headwaters downstream to end of tidal waters.

City / County: Northampton Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Oxygen, Dissolved / 5C

The Aquatic Life Use is impaired for DO at Station 3-RBC003.87 with DO 5 viol /16 ob. pH is supported with 0 viol / 16 obs. Draft DO natural conditions evaluation for this impairment and Unnamed tributary to Red Bank Creek .

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D04R_RBC01A04 / Red Bank Creek / Southeast of Marionville. Segment from headwaters downstream to end of tidal waters.	5C	Oxygen, Dissolved	2016	L	1.36
Red Bank Creek			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>					
Oxygen, Dissolved - Total Impaired Size by Water Type:					<b>1.36</b>

Sources:

Source Unknown



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **D04R-03-BEN**

**Frogstool Branch**

Cause Location: This cause encompasses the area near Red Hill.

City / County: Accomack Co. Northampton Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

Aquatic Life Use is impaired based on Benthic IM at Station 7-FRB001.94. VCPMI [2010\_IM: S=24.9, F=38.8 2013: F=57.0 2014: S=18.3 2016: F=84.2].

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D04R_FRB01A12 / Frogstool Branch / Tributary to Machipongo River near Red Hill.	5A	Benthic-Macroinvertebrate Bioassessments	2012	L	4.27
Frogstool Branch			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:					<b>4.27</b>

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **D04R-04-BEN**

**Unnamed Tributary to Mill Creek**

Cause Location: This cause encompasses the Unnamed Trib to Mill Creek Stream. Stream is east of Treherneville crossing over Route 600.

City / County: Northampton Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

The ALUS is not supported based on the benthic data collected in 2011 using the VCPMI. The Spring score was 20.9 and the Fall was 9.0. Habitat is adequate for colonization of a healthy benthic community, but pH is somewhat acidic and dissolved oxygen was very low in the spring. The stream was dominated by midge larvae, a frequent indicator of human disturbance.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D04R_XER01A14 / UT to Mill Creek / Unnamed trib to Mill Creek Stream. Stream is east of Treherneville crossing over Route 600.	5A	Benthic-Macroinvertebrate Bioassessments	2014	L	1.48
Unnamed Tributary to Mill Creek					
<b>Aquatic Life</b>			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:					<b>1.48</b>

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** D05E-01-BAC

**Oyster Slip (Harbor) - Upper**

**Cause Location:** This cause encompasses area adjacent to Brockenberry Bay within upper portion of the harbor. Located in the town of Oyster, east of Cheriton.

**City / County:** Northampton Co.

**Use(s):** Recreation

**Cause(s) / VA Category:** Enterococcus / 4A

The Recreation Use impairment is retained, data within assessment window is from 2005 with 0 viol/ 3 obs. of the instantaneous criteria for Enterococcus bacteria at DEQ (AQM) station @ 7-OSS000.37. Nested within Shellfish TMDL completed 6/19/2009.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D05E_OSS01A00 / Oyster Slip (Harbor) - Upper / Located in the town of Oyster, east of Cheriton. Adjacent to Brockenberry Bay. Upper portion of the harbor. DSS Seasonal shellfish direct harvesting condemnation # 094-012 M1 (effective 2014-02-26).	4A	Enterococcus	2006	L	0.034

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Oyster Slip (Harbor) - Upper	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>			
Enterococcus - Total Impaired Size by Water Type:	<b>0.034</b>		

**Sources:**

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **D05E-01-HG**

**Oyster Slip (Harbor) - Upper**

**Cause Location:** This causes encompasses the area adjacent to Brockenberry Bay within upper portion of the harbor. Located in the town of Oyster, east of Cheriton.

**City / County:** Northampton Co.

**Use(s):** Fish Consumption

**Cause(s) / VA Category:** Mercury in Fish Tissue / 5A

Fish Consumption is impaired based on Fish Tissue data collected 08-IM, FT\_Met-Hg Sandbar Shark; 08-OE-Pb Oyster; 08 PCB Support at DEQ (AQM) station @ 7-OSS000.20.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D05E_OSS01A00 / Oyster Slip (Harbor) - Upper / Located in the town of Oyster, east of Cheriton. Adjacent to Brockenberry Bay. Upper portion of the harbor. DSS Seasonal shellfish direct harvesting condemnation # 094-012 M1 (effective 2014-02-26).	5A	Mercury in Fish Tissue	2010	L	0.034
Oyster Slip (Harbor) - Upper			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Fish Consumption</b>		Mercury in Fish Tissue - Total Impaired Size by Water Type:	<b>0.034</b>		

**Sources:**

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **D05R-01-BAC**

**Taylor Creek**

Cause Location: This cause encompasses area from Penn Central RR crossing downstream to impoundment 0.1 mi. downstream of station. Located northeast of Simpkins.

City / County: Northampton Co.

Use(s): Recreation

Cause(s) / VA Category: Fecal Coliform / 5A

The Recreation Use is impaired based on E.coli exceedance of the swimming criteria (7 violates / 12 obs.).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D05R_TAL01A02 / Taylor Creek / Located northeast of Simpkins. Segment from Penn Central RR crossing downstream to impoundment 0.1 mi. downstream of station.	5A	Fecal Coliform	2002	L	1.26
Taylor Creek					
<b>Recreation</b>			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:					<b>1.26</b>

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **D05R-02-BAC**

**Holt Creek**

Cause Location: This cause encompasses the area from headwaters downstream to start of tidal waters. Located east of Martins Siding.

City / County: Northampton Co.

Use(s): Recreation

Cause(s) / VA Category: Escherichia coli / 5A

Recreation Use is impaired due to E.coli bacteria concentrations exceeding the instantaneous swimming indicator criteria. Impairment 7 violates/ 17 obs at DEQ (AQM) station @ 7-HLT002.08.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D05R_HLT01A04 / Holt Creek / Located east of Martins Siding. Segment from headwaters downstream to start of tidal waters.	5A	Escherichia coli	2004	L	1.74
Holt Creek			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>					
Escherichia coli - Total Impaired Size by Water Type:					<b>1.74</b>

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **D05R-03-BAC**

**Holt Creek Unnamed Tributary**

**Cause Location:** This cause encompasses the area from Penn Central RR crossing near headwaters downstream to confluence with Holt Creek. Located east of Martins Siding.

**City / County:** Northampton Co.

**Use(s):** Recreation

**Cause(s) / VA Category:** Escherichia coli / 5A

The Recreation Use impairment is retained based on Fecal Coliform data. Current E.coli data collected is 1 violates / 1 obs.  
Previous (2006 IR) TMDL ID = VAT-D05R-03.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D05R_XDI01A04 / Holt Creek Unnamed Tributary / Located east of Martins Siding. Segment from Penn Central RR crossing near headwaters downstream to confluence with Holt Creek.	5A	Escherichia coli	2004	L	1.42
Holt Creek Unnamed Tributary			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>		Escherichia coli - Total Impaired Size by Water Type:			<b>1.42</b>

**Sources:**

Source Unknown

# Fact Sheets for Impaired (Category 4 or 5) Waters in 2018

## Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: **D05R-03-BEN**

Holt Creek Unnamed Tributary

Cause Location: This cause encompasses the area from Penn Central RR crossing near headwaters downstream to confluence with Holt Creek. Located east of Martins Siding.

City / County: Northampton Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

The Aquatic Life Use is impaired based on the benthic data collected at 7-XDI000.88: IM VCPMI [2014: S=25.4] [2013: F=41.3] [2009\_IM: S=8.6, F=48.4] Habitat is good at this site and there are no obvious point sources, so it is likely that non-point sources are responsible for impairment here. The scores at this site jump around a good bit with a tendency for higher scores in the fall indicating that seasonal effects are probably also being picked up by the metrics in addition to any anthropogenic effects.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D05R_XDI01A04 / Holt Creek Unnamed Tributary / Located east of Martins Siding. Segment from Penn Central RR crossing near headwaters downstream to confluence with Holt Creek.	5A	Benthic-Macroinvertebrate Bioassessments	2012	L	1.42
Holt Creek Unnamed Tributary			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>					
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:					<b>1.42</b>

Sources:

Source Unknown



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **D06E-01-DO**

**Magothy Bay - Lower**

Cause Location: This cause encompasses the area east of Skidmore Island.

City / County: Northampton Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Oxygen, Dissolved / 5A

The Aquatic Life use is impaired based on data from 2008 Assessment for the DO concentration exceeding the criteria for this parameter (4 violates / 21 obs.). Now data from 01 and 02 drop out therefore 2 / 5 violate. Can not delist DO.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D06E_MAG01A04 / Magothy Bay - Lower / Located east of Skidmore Island. No DSS shellfish condemnation.	5A	Oxygen, Dissolved	2004	L	0.037
Magothy Bay - Lower			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>		Oxygen, Dissolved - Total Impaired Size by Water Type:	<b>0.037</b>		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **D06E-02-PCB**

**Raccoon Creek**

Cause Location: This cause encompasses Raccoon Creek. The area southwest of Magothy Bay.

City / County: Northampton Co.

Use(s): Fish Consumption

Cause(s) / VA Category: PCB in Fish Tissue / 5A

The Fish Consumption Use is impaired based on Fish Tissue data collected for PCBs with an observed effect for arsenic. Station 7-RAC000.00 is impaired for PCBs in FT found in Bass, Trout and Blue Crab from 2008 and 2006.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D06E_RAC01A08 / Raccoon Creek / South west of Magothy Bay. No DSS condemnation area.	5A	PCB in Fish Tissue	2010	L	0.004
Raccoon Creek			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Fish Consumption</b>		PCB in Fish Tissue - Total Impaired Size by Water Type:	<b>0.004</b>		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **D06R-01-DO**

**Mill Creek**

**Cause Location:** This cause encompasses the area at the start of Mill Creek upstream of Penn central RR crossing and ends downstream of Rt. 600 at the beginning of the impoundment upstream of tidal waters. Located north of Capeville.

**City / County:** Northampton Co.

**Use(s):** Aquatic Life

**Cause(s) / VA Category:** Oxygen, Dissolved / 4A

The Aquatic Life Use is impaired based on the dissolved oxygen (5 violates / 13 obs.) below the criteria minimum (4.0 mg/l) at DEQ station @ 7-MCR002.00.

TMDL EPA approved 6/24/2009 for DO.

Low DO is caused by high inflow of nitrogen and organic carbon. The high temperature, low re-aeration, decay of organic materials and nitrogen oxidation, and the high SOD due to accumulated deposition of organic matter, are the dominant causes of low DO (reference from TMDL).

1998 CD segment for DO (Attachment A, Category 1, Part 2) VAT-D06R-01.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D06R_MCR01A00 / Mill Creek / Located north of Capeville. Segment begins at the start of Mill Creek upstream of Penn central RR crossing and ends downstream of Rt 600 at the beginning of the impoundment upstream of tidal waters.	4A	Oxygen, Dissolved	1998	L	2.23
Mill Creek			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>					
Oxygen, Dissolved - Total Impaired Size by Water Type:					<b>2.23</b>

**Sources:**

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **D06R-01-PH**

**Mill Creek**

**Cause Location:** This cause encompasses the area at the start of Mill Creek upstream of Penn central RR crossing and ends downstream of Rt. 600 at the beginning of the impoundment upstream of tidal waters. Located north of Capeville.

**City / County:** Northampton Co.

**Use(s):** Aquatic Life

**Cause(s) / VA Category:** pH / 5A

The Aquatic Life Use is impaired for pH in the 2016 IR 4 violates / 23 obs. and in 2018 1 viol / 13 obs below the criteria minimum (6.0 SU) at DEQ station @ 7-MCR002.00. No delist for 2018 IR. Review additional years worth of data in the 2020 to see if pH can be delisted.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D06R_MCR01A00 / Mill Creek / Located north of Capeville. Segment begins at the start of Mill Creek upstream of Penn central RR crossing and ends downstream of Rt 600 at the beginning of the impoundment upstream of tidal waters.	5A pH	1998	L	2.23
Mill Creek		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>				
pH - Total Impaired Size by Water Type:				<b>2.23</b>

**Sources:**

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **D06R-02-BAC**

**Narrow Channel Branch**

Cause Location: This cause encompasses the area from headwaters downstream to start of tidal waters. Located east of Bayview.

City / County: Northampton Co.

Use(s): Recreation

Cause(s) / VA Category: Escherichia coli / 5A

The Recreation Use is impaired with 3 violations / 5 observations at Station 7-NCB000.97.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D06R_NCB01A04 / Narrow Channel Branch / Located east of Bayview. Segment from headwaters downstream to start of tidal waters.	5A	Escherichia coli	2004	L	1.84
Narrow Channel Branch			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>					
Escherichia coli - Total Impaired Size by Water Type:					<b>1.84</b>

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** D06R-02-BEN

**Narrow Channel Branch**

Cause Location: This cause encompasses the area from headwaters downstream to start of tidal waters. Located east of Bayview.

City / County: Northampton Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

The Aquatic Life Use impairment is retained for 2018 Assessment. No new benthic data within the assessment window. The Aquatic Life Use is impaired due to impacts to the stream's benthic population. DEQ (Bio) monitoring determines impairment by benthic assessment ratings of SI (spring 2001) & MI (fall 2001).

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D06R_NCB01A04 / Narrow Channel Branch / Located east of Bayview. Segment from headwaters downstream to start of tidal waters.	5A Benthic-Macroinvertebrate Bioassessments	2004	L	1.84
Narrow Channel Branch		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>				
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:				<b>1.84</b>

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **D06R-02-DO**

**Narrow Channel Branch**

Cause Location: This cause encompasses the area from headwaters downstream to start of tidal waters. Located east of Bayview.

City / County: Northampton Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Oxygen, Dissolved / 5A

The Aquatic Life Use is impaired based on 2011 and 2012 data for DO that exceed the WQS with 2 viol/ 6 obs. Additional monitoring is requested.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D06R_NCB01A04 / Narrow Channel Branch / Located east of Bayview. Segment from headwaters downstream to start of tidal waters.	5A	Oxygen, Dissolved	2014	L	1.84
Narrow Channel Branch			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>		Oxygen, Dissolved - Total Impaired Size by Water Type:			<b>1.84</b>

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **D06R-03-BAC**

**Tommy's Ditch**

Cause Location: This cause encompasses the entirety of Tommy's Ditch west of Kiptopeke State Park.

City / County: Northampton Co.

Use(s): Recreation

Cause(s) / VA Category: Escherichia coli / 5A

The Recreation Use is impaired based on E.coli criteria exceeded (7 viol / 15 obs) at DEQ station @ 7-TOM001.73.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D06R_TOM01A08 / Tommy's Ditch / East of Kiptopeke State Park	5A	Escherichia coli	2008	L	1.44
Tommy's Ditch			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Recreation</b>					
Escherichia coli - Total Impaired Size by Water Type:					<b>1.44</b>

Sources:

Source Unknown



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** D07E-02-SF

**Lake Rudee - Upper**

Cause Location: Described in VDH Notice and Description of Shellfish Direct Harvesting Condemnation # 073-074A (effective 2013-06-11).

City / County: Virginia Beach City

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 5B

The Shellfishing Use is not supporting with DSS shellfish condemnation # 073-074A (effective 2013-06-11)

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D07E_LAI01A06 / Lake Rudee - Upper / Lake Rudee, from end of Owl Creek downstream to approx. RM 0.4 (upstream of confluence of Lake Holly with Rudee Inlet canal). Portion of DSS shellfish condemnation # 073-074 A (effective 2013-06-11).	5B Fecal Coliform	2006	H, 2yr	0.099

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Lake Rudee - Upper

**Shellfishing**

Estuary  
(Sq. Miles)

Reservoir  
(Acres)

River  
(Miles)

Fecal Coliform - Total Impaired Size by Water Type:

**0.099**

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Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **D07E-04-BAC**

**Owl Creek - Upper**

Cause Location: This cause encompasses the Headwaters of Owl Creek downstream to point where creek widens.

City / County: Virginia Beach City

Use(s): Recreation

Cause(s) / VA Category: Enterococcus / 5A

Recreation Use impaired due to Enterococcus bacteria concentrations exceeding (2 violates / 12 obs.)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D07E_OWL01A02 / Owl Creek- Upper / Headwaters tributary to Lake Rudee, located west of Lake Christine. Segment from headwaters downstream to point where creek broadens. Portion of DSS shellfish direct harvesting condemnation # 073-074 A (effective 2013-06-11).	5A	Enterococcus	2002	H, 2yr	0.005
Owl Creek - Upper <b>Recreation</b>			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:			<b>0.005</b>		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **D07E-04-DO**

**Owl Creek - Upper**

Cause Location: This cause encompasses the upper portion of Owl Creek a tributary to Lake Rudee, located west of Lake Christine.

City / County: Virginia Beach City

Use(s): Aquatic Life

Cause(s) / VA Category: Oxygen, Dissolved / 5A

The Aquatic Life Use is impaired due to dissolved oxygen concentrations at station 7-OWL000.77 and 7OWL-2-VAMSC with 2 violates / 6 obs. and 5 viol/ 9 obs below the criteria minimum (4.0 mg/l). This TMDL ID (VAT-D07E-05) is added for the 2006 IR.

Assessment Unit / Water Name / Location Desc.	Cause Category Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D07E_OWL01A02 / Owl Creek- Upper / Headwaters tributary to Lake Rudee, located west of Lake Christine. Segment from headwaters downstream to point where creek broadens. Portion of DSS shellfish direct harvesting condemnation # 073-074 A (effective 2013-06-11).	5A Oxygen, Dissolved	2006	M, 2yr	0.005
Owl Creek - Upper		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>	Oxygen, Dissolved - Total Impaired Size by Water Type:	<b>0.005</b>		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** D07E-04-SF

**Owl Creek - Upper & Lower**

Cause Location: Described in VDH Notice and Description of Shellfish Direct Harvesting Condemnation # 073-074A (effective 2013-06-11).

City / County: Virginia Beach City

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 5B

The Shellfishing Use is not supporting with DSS shellfish condemnation # 073-074A (effective 2013-06-11).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D07E_OWL01A02 / Owl Creek- Upper / Headwaters tributary to Lake Rudee, located west of Lake Christine. Segment from headwaters downstream to point where creek broadens. Portion of DSS shellfish direct harvesting condemnation # 073-074 A (effective 2013-06-11).	5B	Fecal Coliform	2006	H, 2yr	0.005
VAT-D07E_OWL02A02 / Owl Creek - Lower / Headwaters tributary to Lake Rudee, located west of Lake Christine. Segment from mid-way point where creek broadens downstream to confluence with Lake Rudee. Portion of DSS shellfish direct harvesting condemnation # 073-074 A (effective 2013-06-11).	5B	Fecal Coliform	2006	H, 2yr	0.019
Owl Creek - Upper & Lower Shellfishing			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:			<b>0.025</b>		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** D07E-10-SF

**Lake Rudee - Lower and Lake Wesley**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 073-074 A, 6/11/2013.

City / County: Virginia Beach City

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 5B

The Shellfish Use is impaired based on DSS Condemnation # 073-074 A effective date 2013-06-11.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D07E_LAE01A06 / Lake Wesley - Upstream Branches / From start of both branches downstream to confluence with Rudee Inlet. Segment reflects status of station at mid-embayment. DSS shellfish condemnation # 073-074 A (effective 2013-06-11).	5B	Fecal Coliform	2006	H, 2yr	0.034
VAT-D07E_LAI02A06 / Lake Rudee - Lower (Rudee Inlet Canal) / Lower portion of Lake Rudee, including Rudee Inlet Canal. From RM 0.4 (upstream of confluence of Lake Holly with Rudee Inlet canal) downstream through Inlet canal to mouth. Portion of DSS shellfish harvesting condemnation # 073-074 (effective 2013-06-11).	5B	Fecal Coliform	2006	H, 2yr	0.026
Lake Rudee - Lower and Lake Wesley			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing			Fecal Coliform - Total Impaired Size by Water Type:		
			0.060		

Sources:

Source Unknown

# Fact Sheets for Impaired (Category 4 or 5) Waters in 2018

## Chesapeake Bay/Atlantic/Small Coastal Basins

**Cause Group Code:** **LYNPH-DO-BAY**      **Lynnhaven River and Broad Bay System CBP segment LYNPH and Tributaries**

**Cause Location:** This cause encompasses the entirety of the Lynnhaven River CBP segment LYNPH and Tributaries. Tributary to south shore of Chesapeake Bay. CBP segment LYNPH.

**City / County:** Virginia Beach City

**Use(s):** Aquatic Life      Open-Water Aquatic Life

**Cause(s) / VA Category:** Oxygen, Dissolved / 4A

The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. EPA approved Chesapeake Bay TMDL 12/29/2010.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_BBY01A14 / Broad Bay / East of Lynnhaven River. Located adjacent to Broad Bay Colony area of VB. CBP segment LYNPH. BIBI segment LYNPHa. DSS (OPEN) shellfish direct harvesting condemnation # 071-095 (effective 20160211)	4A	Oxygen, Dissolved	2006	L	1.213
VAT-C08E_BBY01B10 / Broad Bay - UTs W. Shore [Admin Cond] / East of Lynnhaven River. Located adjacent to Broad Bay Colony area. UTs along W. Shore of Broad Bay [Admin Cond]. CBP segment LYNPH. BIBI segment LYNPHa. DSS (Admin Cond) shellfish condemnation # 071-095 D, F, G (effective 201060211).	4A	Oxygen, Dissolved	2006	L	0.039
VAT-C08E_CRY01A00 / Crystal Lake / Includes Rainey Gut. Located in North Linkhorn Park area in Virginia Beach. East of Lynnhaven River. CBP segment LYNPH. DSS ADMIN condemnation # 071-010 B (effective 20160211).	4A	Oxygen, Dissolved	2006	L	0.128
VAT-C08E_DEY01A00 / Dey Cove/Mill Dam Creek- Upper / Tributary on western shore of Broad Bay near Great Neck Area in VB. East of Lynnhaven River. CBP segment LYNPH BIBI segment LYNPHa. DSS condemnation # 071-095 E (effective 20160211).	4A	Oxygen, Dissolved	2006	L	0.075
VAT-C08E_DEY02A18 / Dey Cove/Mill Dam Creek- Mouth / Located attached to west shore of Broad Bay Colony area of VB. East of Lynnhaven River. CBP segment LYNPH BIBI segment LYNPHa. DSS condemnation # 071-095 E (effective 20160211).	4A	Oxygen, Dissolved	2006	L	0.020
VAT-C08E_EBL01A06 / Eastern Branch - Upper, Lynnhaven River / From end of London Br. Cr. (Rt 58 crossing) downstream to Smith Point. CBP segment LYNPH. BIBI segment LYNPHa. Portion of DSS ADMIN condemnation # 070-025 A (effective 20160218).	4A	Oxygen, Dissolved	2006	L	0.226
VAT-C08E_EBL01B10 / Eastern Branch - Lower Upper, Lynnhaven River / From Smith Point downstream to Sandy point. CBP segment LYNPH. BIBI segment LYNPHa. Portion of DSS condemnation # 070-025 A (effective 20160218).	4A	Oxygen, Dissolved	2006	L	0.263
VAT-C08E_EBL02A08 / Eastern Branch - Lower, Lynnhaven River / From Mapps Point to the eastern shore embayment near Forest Hills. CBP segment LYNPH. Portion of DSS condemnation # 070-025 A (effective 20160218).	4A	Oxygen, Dissolved	2006	L	0.385
VAT-C08E_LKN01A00 / Linkhorn Bay - Upper / South of Linkhorn Estates area of VB upstream to Laskin Rd (58). East of Lynnhaven River. CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish ADMIN harvesting condemnation # 071-010 A (effective 20160211).	4A	Oxygen, Dissolved	2006	L	0.103

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

VAT-C08E_LKN01B14 / Linkhorn Bay - Upper / Located adjacent to Alexander Estates area of VB. East of Lynnhaven River. CBP segment LYNPH. BIBI segment LYNPHa OPEN. DSS shellfish direct harvesting condemnation # 071-010 (effective 20160211).	4A	Oxygen, Dissolved	2006	L	0.040
VAT-C08E_LKN02A10 / Linkhorn Bay - Lower / Located adjacent to Linkhorn Estates area of VB upstream to Alanton at The Narrows. East of Lynnhaven River. CBP segment LYNPH. BIBI segment LYNPHa. DSS OPEN shellfish direct harvesting area # 071-010 (effective 20160211).	4A	Oxygen, Dissolved	2006	L	0.581
VAT-C08E_LKN02B10 / Linkhorn Bay - Coves [Admin Condem] / Embayments adjacent to LKN02A10. East of Lynnhaven River. CBP segment LYNPH. BIBI segment LYNPHa. DSS [Admin Cond] shellfish direct harvesting condemnation # 071-010 C,D,E,F,G,H, I,J,K,L, M (effective 20160211).	4A	Oxygen, Dissolved	2006	L	0.223
VAT-C08E_LNC01A00 / Little Neck Creek - Upper / Eastern shore tributary of Linkhorn Bay, near Laskin Road and south of Linkhorn Park. Portion of CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish direct harvesting ADMIN condemnation # 071-227 A (effective 20160211).	4A	Oxygen, Dissolved	2006	L	0.078
VAT-C08E_LNC01B16 / Little Neck Creek-Lower / Eastern shore tributary of Linkhorn Bay, near Bay Colony. Portion of CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish direct harvesting condemnation # 071-227 A (effective 20160211).	4A	Oxygen, Dissolved	2006	L	0.035
VAT-C08E_LNC02A12 / Little Neck Creek-Lower / Eastern shore tributary of Linkhorn Bay, near Bay Colony. Portion of CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish direct harvesting Seasonal & OPEN condemnation # 071-227 M1 (effective 20160211).	4A	Oxygen, Dissolved	2006	L	0.155
VAT-C08E_LNC02B12 / Little Neck Creek-Lower (DSS ADMIN) / Embayments adjacent to Little Neck Creek. Eastern shore tributary of Linkhorn Bay, near Bay Colony. Portion of CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish direct harvesting ADMIN condemnation # 071-227 B,C,D,E,F,G,H (effective 20160211).	4A	Oxygen, Dissolved	2006	L	0.072
VAT-C08E_LOB01A00 / London Bridge Creek / Entirety of creek, from headwaters near Shipps Corner downstream to Rt. 58 crossing. CBP segment LYNPH. BIBI segment LYNPHa. ADMIN DSS # 070-025 A (effective 20160218).	4A	Oxygen, Dissolved	2006	L	0.059
VAT-C08E_LON01A00 / Long Creek / Northern shore tributary of Broad Bay, near Bay Island area. Portion of CBP segment LYNPH. BIBI segment LYNPHa. DSS (ADMIN) shellfish direct harvesting condemnation # 071-095 A,B,C, I (effective 20160211).	4A	Oxygen, Dissolved	2006	L	0.316
VAT-C08E_LYN01A06 / Lynnhaven River & Bay - Mainstem / Tributary to south shore of Chesapeake Bay. Mainstem area near mouth. CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish direct harvesting condemnation # 070-025 C1 Conditionally Condemned (effective 20160218).	4A	Oxygen, Dissolved	2006	L	0.982
VAT-C08E_LYN01B10 / Lynnhaven River & Bay Coves [Admin Cond] / Embayments of LYN01A06 [DSS Admin Cond]. Tributary to south shore of Chesapeake Bay. CBP segment LYNPH. BIBI segment LYNPHa. DSS ADMIN shellfish harvesting condemnation # 070-025 (A-M) (effective 20160218) .	4A	Oxygen, Dissolved	2006	L	0.557
VAT-C08E_LYN01C12 / Lynnhaven River & Bay - DSS Cond / Tributary to south shore of Chesapeake Bay. Mainstem area. Segments near Mouth of Pleasure House and Brocks Cove. CBP segment LYNPH. DSS shellfish direct harvesting condemn # 070-025	4A	Oxygen, Dissolved	2006	L	0.198

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

A & M (effective 20160218) .

VAT-C08E_THA01A02 / Thalia Creek, Thurston Branch & Buchanan Creek / Beginning of Thalia Creek (incl. Thurston Br & Buchanan Cr) from headwaters downstream to Western Br. Lynnhaven R. CBP segment LYNPH. BIBI segment LYNPHa. DSS ADMIN condemnation # 070-025 H (effective 20160218).	4A	Oxygen, Dissolved	2006	L	0.286
VAT-C08E_WES01A06 / Western Branch - Upper, Lynnhaven River / From the end of Thurston Branch downstream to Hebden Cove. CBP segment LYNPH. BIBI segment LYNPHa. Portion of ADMIN DSS shellfish direct harvesting condemnation #070-025 H (effective 20160218).	4A	Oxygen, Dissolved	2006	L	0.151
VAT-C08E_WES01B16 / Western Branch - Middle, Lynnhaven River / From Witch Duck Bay to Witchduck Point. CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish ADMIN condemnation #070-025 H (effective 20160218).	4A	Oxygen, Dissolved	2006	L	0.174
VAT-C08E_WES02A06 / Western Branch - Middle, Lynnhaven River / From Bayville Cr to Thoroughgood Cove. CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish direct harvesting condemnation #070-025 H (effective 20160218).	4A	Oxygen, Dissolved	2006	L	0.156
VAT-C08E_WES03A10 / Western Branch - Lower, Lynnhaven River / From Bayville Creek downstream to confluence with mainstem. CBP segment LYNPH. BIBI segment LYNPHa. DSS Conditionally Condemned shellfish condemnation #070-025 C1 (effective 20160218).	4A	Oxygen, Dissolved	2006	L	0.170
VAT-C08E_WNC01A00 / West Neck Creek (Upper) to London Bridge Creek / From Princess Anne Rd. crossing downstream to junction with London Bridge Cr. at Shipps Corner area. Segment determined to drain to C08E (Lynnhaven River). CBP segment LYNPH. BIBI segment LYNPHa.	4A	Oxygen, Dissolved	2006	L	0.084
VAT-C08E_XBO01A00 / Canal No. 2 / Man-Made tributary to London Bridge Creek. Entire length of Canal No. 2. Portion of CBP segment LYNPH.	4A	Oxygen, Dissolved	2006	L	0.040
VAT-C08E_ZZZ01A00 / Unsegmented tidal tributaries in C08E-LYNPH / Tidal tributaries to Eastern and Western Branch Lynnhaven River. Portion of CBP segment LYNPH. BIBI segment LYNPHa. Portions of DSS shellfish ADMIN condemnation # 070-025 A & H(effective 20160218).	4A	Oxygen, Dissolved	2006	L	0.959
VAT-C08E_ZZZ01B10 / Unsegmented tidal tributary to Lynnhaven R. & Linkhorn Bay / Unsegmented tidal tributaries to Lynnhaven R. & Linkhorn Bay. CBP segment LYNPH. No DSS category.	4A	Oxygen, Dissolved	2006	L	0.210

Lynnhaven River and Broad Bay System CBP segment LYNPH and Tributaries

**Aquatic Life**

Oxygen, Dissolved - Total Impaired Size by Water Type:

Estuary  
(Sq. Miles)  
**7.976**

Reservoir  
(Acres)

River  
(Miles)



# ***Fact Sheets for Impaired (Category 4 or 5) Waters in 2018***

## ***Chesapeake Bay/Atlantic/Small Coastal Basins***

### Sources:

Agriculture

Atmospheric Deposition -  
Nitrogen

Industrial Point Source  
Discharge

Internal Nutrient Recycling

Loss of Riparian Habitat

Municipal Point Source  
Discharges

Sources Outside State  
Jurisdiction or Borders

Wet Weather Discharges  
(Non-Point Source)

Wet Weather Discharges  
(Point Source and  
Combination of Stormwater,  
SSO or CSO)

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **LYNPH-SAV-BAY**      **Lynnhaven River and Broad Bay System CBP segment LYNPH and Tributaries**

**Cause Location:** This cause encompasses the entirety of the Lynnhaven River CBP segment LYNPH and Tributaries. Tributary to south shore of Chesapeake Bay. CBP segment LYNPH.

**City / County:** Virginia Beach City

**Use(s):** Aquatic Life                      Shallow-Water Submerged  
   Aquatic Vegetation

**Cause(s) / VA Category:** Aquatic Plants (Macrophytes) / 4A

The polyhaline Lynnhaven River did not meet the Chesapeake Bay Shallow Water Subuse's submerged aquatic vegetation acreage criterion. The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010, this segment is considered Category 4A.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_BBY01A14 / Broad Bay / East of Lynnhaven River. Located adjacent to Broad Bay Colony area of VB. CBP segment LYNPH. BIBI segment LYNPHa. DSS (OPEN) shellfish direct harvesting condemnation # 071-095 (effective 20160211)	4A	Aquatic Plants (Macrophytes)	2006	L	1.213
VAT-C08E_BBY01B10 / Broad Bay - UTs W. Shore [Admin Cond] / East of Lynnhaven River. Located adjacent to Broad Bay Colony area. UTs along W. Shore of Broad Bay [Admin Cond]. CBP segment LYNPH. BIBI segment LYNPHa. DSS (Admin Cond) shellfish condemnation # 071-095 D, F, G (effective 201060211).	4A	Aquatic Plants (Macrophytes)	2010	L	0.039
VAT-C08E_CRY01A00 / Crystal Lake / Includes Rainey Gut. Located in North Linkhorn Park area in Virginia Beach. East of Lynnhaven River. CBP segment LYNPH. DSS ADMIN condemnation # 071-010 B (effective 20160211).	4A	Aquatic Plants (Macrophytes)	2006	L	0.128
VAT-C08E_DEY01A00 / Dey Cove/Mill Dam Creek- Upper / Tributary on western shore of Broad Bay near Great Neck Area in VB. East of Lynnhaven River. CBP segment LYNPH BIBI segment LYNPHa. DSS condemnation # 071-095 E (effective 20160211).	4A	Aquatic Plants (Macrophytes)	2006	L	0.075
VAT-C08E_DEY02A18 / Dey Cove/Mill Dam Creek- Mouth / Located attached to west shore of Broad Bay Colony area of VB. East of Lynnhaven River. CBP segment LYNPH BIBI segment LYNPHa. DSS condemnation # 071-095 E (effective 20160211).	4A	Aquatic Plants (Macrophytes)	2006	L	0.020
VAT-C08E_EBL01A06 / Eastern Branch - Upper, Lynnhaven River / From end of London Br. Cr. (Rt 58 crossing) downstream to Smith Point. CBP segment LYNPH. BIBI segment LYNPHa. Portion of DSS ADMIN condemnation # 070-025 A (effective 20160218).	4A	Aquatic Plants (Macrophytes)	2006	L	0.226
VAT-C08E_EBL01B10 / Eastern Branch - Lower Upper, Lynnhaven River / From Smith Point downstream to Sandy point. CBP segment LYNPH. BIBI segment LYNPHa. Portion of DSS condemnation # 070-025 A (effective 20160218).	4A	Aquatic Plants (Macrophytes)	2010	L	0.263
VAT-C08E_EBL02A08 / Eastern Branch - Lower, Lynnhaven River / From Mapps Point to the eastern shore embayment near Forest Hills. CBP segment LYNPH. Portion of DSS condemnation # 070-025 A (effective 20160218).	4A	Aquatic Plants (Macrophytes)	2008	L	0.385
VAT-C08E_LKN01A00 / Linkhorn Bay - Upper / South of Linkhorn Estates area of VB upstream to Laskin Rd (58). East of Lynnhaven River. CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish	4A	Aquatic Plants (Macrophytes)	2006	L	0.103

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

ADMIN harvesting condemnation # 071-010 A (effective 20160211).

VAT-C08E_LKN01B14 / Linkhorn Bay - Upper / Located adjacent to Alexander Estates area of VB. East of Lynnhaven River. CBP segment LYNPH. BIBI segment LYNPHa OPEN. DSS shellfish direct harvesting condemnation # 071-010 (effective 20160211).	4A	Aquatic Plants (Macrophytes)	2006	L	0.040
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VAT-C08E_LKN02A10 / Linkhorn Bay - Lower / Located adjacent to Linkhorn Estates area of VB upstream to Alanton at The Narrows. East of Lynnhaven River. CBP segment LYNPH. BIBI segment LYNPHa. DSS OPEN shellfish direct harvesting area # 071-010 (effective 20160211).	4A	Aquatic Plants (Macrophytes)	2010	L	0.581
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VAT-C08E_LKN02B10 / Linkhorn Bay - Coves [Admin Condem] / Embayments adjacent to LKN02A10. East of Lynnhaven River. CBP segment LYNPH. BIBI segment LYNPHa. DSS [Admin Cond] shellfish direct harvesting condemnation # 071-010 C,D,E,F,G,H, I,J,K,L, M (effective 20160211).	4A	Aquatic Plants (Macrophytes)	2010	L	0.223
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VAT-C08E_LNC01A00 / Little Neck Creek - Upper / Eastern shore tributary of Linkhorn Bay, near Laskin Road and south of Linkhorn Park. Portion of CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish direct harvesting ADMIN condemnation # 071-227 A (effective 20160211).	4A	Aquatic Plants (Macrophytes)	2006	L	0.078
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VAT-C08E_LNC01B16 / Little Neck Creek-Lower / Eastern shore tributary of Linkhorn Bay, near Bay Colony. Portion of CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish direct harvesting condemnation # 071-227 A (effective 20160211).	4A	Aquatic Plants (Macrophytes)	2014	L	0.035
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VAT-C08E_LNC02A12 / Little Neck Creek-Lower / Eastern shore tributary of Linkhorn Bay, near Bay Colony. Portion of CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish direct harvesting Seasonal & OPEN condemnation # 071-227 M1 (effective 20160211).	4A	Aquatic Plants (Macrophytes)	2014	L	0.155
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VAT-C08E_LNC02B12 / Little Neck Creek-Lower (DSS ADMIN) / Embayments adjacent to Little Neck Creek. Eastern shore tributary of Linkhorn Bay, near Bay Colony. Portion of CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish direct harvesting ADMIN condemnation # 071-227 B,C,D,E,F,G,H (effective 20160211).	4A	Aquatic Plants (Macrophytes)	2014	L	0.072
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VAT-C08E_LOB01A00 / London Bridge Creek / Entirety of creek, from headwaters near Shipps Corner downstream to Rt. 58 crossing. CBP segment LYNPH. BIBI segment LYNPHa. ADMIN DSS # 070-025 A (effective 20160218).	4A	Aquatic Plants (Macrophytes)	2006	L	0.059
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VAT-C08E_LON01A00 / Long Creek / Northern shore tributary of Broad Bay, near Bay Island area. Portion of CBP segment LYNPH. BIBI segment LYNPHa. DSS (ADMIN) shellfish direct harvesting condemnation # 071-095 A,B,C, I (effective 20160211).	4A	Aquatic Plants (Macrophytes)	2006	L	0.316
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VAT-C08E_LYN01A06 / Lynnhaven River & Bay - Mainstem / Tributary to south shore of Chesapeake Bay. Mainstem area near mouth. CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish direct harvesting condemnation # 070-025 C1 Conditionally Condemned (effective 20160218).	4A	Aquatic Plants (Macrophytes)	2006	L	0.982
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VAT-C08E_LYN01B10 / Lynnhaven River & Bay Coves [Admin Cond] / Embayments of LYN01A06 [DSS Admin Cond]. Tributary to south shore of Chesapeake Bay. CBP segment LYNPH. BIBI segment LYNPHa. DSS ADMIN shellfish harvesting condemnation # 070-025 (A-M) (effective 20160218) .	4A	Aquatic Plants (Macrophytes)	2010	L	0.557
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VAT-C08E_LYN01C12 / Lynnhaven River & Bay - DSS Cond / Tributary to south shore of Chesapeake Bay. Mainstem area. Segments near Mouth of Pleasure House and Brocks Cove. CBP	4A	Aquatic Plants (Macrophytes)	2014	L	0.198
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# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

segment LYNPH. DSS shellfish direct harvesting condemn # 070-025 A & M (effective 20160218) .

VAT-C08E_THA01A02 / Thalia Creek, Thurston Branch & Buchanan Creek / Beginning of Thalia Creek (incl. Thurston Br & Buchanan Cr) from headwaters downstream to Western Br. Lynnhaven R. CBP segment LYNPH. BIBI segment LYNPHa. DSS ADMIN condemnation # 070-025 H (effective 20160218).	4A	Aquatic Plants (Macrophytes)	2006	L	0.286
VAT-C08E_WES01A06 / Western Branch - Upper, Lynnhaven River / From the end of Thurston Branch downstream to Hebden Cove. CBP segment LYNPH. BIBI segment LYNPHa. Portion of ADMIN DSS shellfish direct harvesting condemnation #070-025 H (effective 20160218).	4A	Aquatic Plants (Macrophytes)	2006	L	0.151
VAT-C08E_WES01B16 / Western Branch - Middle, Lynnhaven River / From Witch Duck Bay to Witchduck Point. CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish ADMIN condemnation #070-025 H (effective 20160218).	4A	Aquatic Plants (Macrophytes)	2006	L	0.174
VAT-C08E_WES02A06 / Western Branch - Middle, Lynnhaven River / From Bayville Cr to Thoroughgood Cove. CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish direct harvesting condemnation #070-025 H (effective 20160218).	4A	Aquatic Plants (Macrophytes)	2006	L	0.156
VAT-C08E_WES03A10 / Western Branch - Lower, Lynnhaven River / From Bayville Creek downstream to confluence with mainstem. CBP segment LYNPH. BIBI segment LYNPHa. DSS Conditionally Condemned shellfish condemnation #070-025 C1 (effective 20160218).	4A	Aquatic Plants (Macrophytes)	2010	L	0.170
VAT-C08E_WNC01A00 / West Neck Creek (Upper) to London Bridge Creek / From Princess Anne Rd. crossing downstream to junction with London Bridge Cr. at Shipps Corner area. Segment determined to drain to C08E (Lynnhaven River). CBP segment LYNPH. BIBI segment LYNPHa.	4A	Aquatic Plants (Macrophytes)	2006	L	0.084
VAT-C08E_XBO01A00 / Canal No. 2 / Man-Made tributary to London Bridge Creek. Entire length of Canal No. 2. Portion of CBP segment LYNPH.	4A	Aquatic Plants (Macrophytes)	2006	L	0.040
VAT-C08E_ZZZ01A00 / Unsegmented tidal tributaries in C08E-LYNPH / Tidal tributaries to Eastern and Western Branch Lynnhaven River. Portion of CBP segment LYNPH. BIBI segment LYNPHa. Portions of DSS shellfish ADMIN condemnation # 070-025 A & H(effective 20160218).	4A	Aquatic Plants (Macrophytes)	2006	L	0.959
VAT-C08E_ZZZ01B10 / Unsegmented tidal tributary to Lynnhaven R. & Linkhorn Bay / Unsegmented tidal tributaries to Lynnhaven R. & Linkhorn Bay. CBP segment LYNPH. No DSS category.	4A	Aquatic Plants (Macrophytes)	2010	L	0.210

Lynnhaven River and Broad Bay System CBP segment LYNPH and Tributaries

### **Shallow-Water Submerged Aquatic Vegetation**

Aquatic Plants (Macrophytes) - Total Impaired Size by Water Type:

Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>7.976</b>		

Sources:

Source Unknown

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code: MOBPH-SAV-BAY Chesapeake Bay segment MOBPH (Mobjack Bay)**

Cause Location: This cause encompasses the complete CPB segment MOBPH.

City / County: Gloucester Co.      Hampton City      Mathews Co.      Poquoson City.      York Co.

Use(s): Aquatic Life      Shallow-Water Submerged  
Aquatic Vegetation

Cause(s) / VA Category: Aquatic Plants (Macrophytes) / 4A

The acres of submerged aquatic vegetation (SAV) mapped through aerial surveys do not meet the criteria. Submerged Aquatic Vegetation acres goal is 15,908 acres. Aerial analysis of SAV over the three most recent years of data indicate segment has attained 51% of this goal. Only 58% of water clarity goal met according to 2012 Dataflow surveys.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VACB-R01E-MOB / Chesapeake Bay - CBP Segment MOBPH / This assessment unit is the mainstem Chesapeake Bay and Mobjack Bay portions of Chesapeake Bay Program segment MOBPH, located off the mouth of the York River including Mobjack Bay. HUC: 02080101.	4A	Aquatic Plants (Macrophytes)	2006	L	92.951
	4A	Aquatic Plants (Macrophytes)	2006	L	92.951
	4A	Aquatic Plants (Macrophytes)	2006	L	92.951
VAP-C04E_BEV01A08 / Belleville Creek / Described in VDH Shellfish Condemnation 042-157B, 5/27/2015.	4A	Aquatic Plants (Macrophytes)	2006	L	0.037
MOBPH					
VAP-C04E_BKA01A98 / Back Creek / Described in VDH condemnation notice 042-157C, 5/27/2015	4A	Aquatic Plants (Macrophytes)	2006	L	0.071
MOBPH					
VAP-C04E_BKA01B12 / Back Creek / Portion of VDH condemnation notice 157C, 6/3/1997 open on 5/27/2015	4A	Aquatic Plants (Macrophytes)	2006	L	0.014
MOBPH					
VAP-C04E_BLW01A98 / Blackwater Creek / Described in the condemnation notice 042-131A, 6/3/1997.	4A	Aquatic Plants (Macrophytes)	2006	L	0.101
MOBPH					
VAP-C04E_BUR01A00 / Burke Mill Stream / From extent of tide to North River	4A	Aquatic Plants (Macrophytes)	2010	L	0.025
MOBPH					
VAP-C04E_DAV01A98 / Davis Creek / Described in the condemnation notice 042-131C, 6/30/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.012
Size reduced in the 2018 cycle.					
MOBPH					
VAP-C04E_DAV02A14 / Davis Creek, UT / Described in VDH-DSS condemnation 042-131B, 7/12/2012.	4A	Aquatic Plants (Macrophytes)	2006	L	0.024

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

### MOBPH

VAP-C04E_DVS01A98 / Davis Creek / Described in the condemnation notice 040-085B, 9/29/2015.	4A	Aquatic Plants (Macrophytes)	2006	L	0.006
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### MOBPH

VAP-C04E_DVS01B08 / Davis Creek / Described in the condemnation notice 040-085M2, 9/21/2010.	4A	Aquatic Plants (Macrophytes)	2006	L	0.011
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### MOBPH

VAP-C04E_DVS02A12 / Davis Creek / Described in the condemnation notice 040-085M1, 9/29/2015.	4A	Aquatic Plants (Macrophytes)	2006	L	0.011
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### MOBPH

VAP-C04E_DVS03A12 / Davis Creek / Described in VDH-DSS condemnation 040-085A, 9/29/2015	4A	Aquatic Plants (Macrophytes)	2006	L	0.009
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### MOBPH

VAP-C04E_ELM01A98 / Elmington Creek / Described in the condemnation notice 157B, 6/3/1997.	4A	Aquatic Plants (Macrophytes)	2006	L	0.023
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### MOBPH

VAP-C04E_ELM01B08 / Elmington Creek / Portion of VDH condemnation notice 042-157D, 5/27/2015 not included in 157B, 6/3/1997.	4A	Aquatic Plants (Macrophytes)	2006	L	0.009
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### MOBPH

VAP-C04E_EST01A98 / East River / Described in the condemnation notice 92, 1/3/1995.	4A	Aquatic Plants (Macrophytes)	2006	L	0.198
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### MOBPH

VAP-C04E_EST01B10 / East River / Portion of condemnation notice 041-092A, 9/30/2016 open in 92, 1/3/1995.	4A	Aquatic Plants (Macrophytes)	2006	L	0.101
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### MOBPH

VAP-C04E_EST01D10 / East River, UT / Described in the condemnation notice 041-092C, 12/16/2010.	4A	Aquatic Plants (Macrophytes)	2006	L	0.023
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### MOBPH

VAP-C04E_EST02A00 / East River / East River from SFC 92 to mouth, not otherwise segmented.	4A	Aquatic Plants (Macrophytes)	2006	L	2.519
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### MOBPH

VAP-C04E_EST03A06 / East River, UT / Described in VDH-DSS SFC 041-212M1, 9/30/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.016
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### MOBPH

VAP-C04E_EST04A02 / East River, UT / As described in condemnation notice 041-212B, 9/30/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.026
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### MOBPH

VAP-C04E_EST05A06 / East River, UT (aka Mill Creek) / Described in VDH-DSS SFC 041-212M2, 9/25/2014.	4A	Aquatic Plants (Macrophytes)	2006	L	0.010
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# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

MOBPH

VAP-C04E_EST06A08 / East River, UT / Described in VDH Shellfish Condemnation 041-212G, 10/25/2005.	4A	Aquatic Plants (Macrophytes)	2006	L	0.020
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MOBPH

VAP-C04E_EST07A08 / East River, UT / Described in VDH Shellfish Condemnation 041-212C, 9/30/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.014
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MOBPH

VAP-C04E_EST08A08 / East River, UT / Described in VDH Shellfish Condemnation 041-212E, 9/30/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.004
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MOBPH

VAP-C04E_GRE01A08 / Greenmansion Cove / Described in VDH- DSS condemnation notice 042-131E, 6/12/2014.	4A	Aquatic Plants (Macrophytes)	2006	L	0.027
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MOBPH

VAP-C04E_GRE01B10 / Greenmansion Cove / Portion of VDH- DSS condemnation notice 042-131M1, 6/30/2016 not included in 042- 131E, 6/12/2014.	4A	Aquatic Plants (Macrophytes)	2006	L	0.027
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MOBPH

VAP-C04E_MIS01A04 / Miles Creek / Described in VDH Condemnation Notice 041-212D, 9/30/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.030
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MOBPH

VAP-C04E_NOR01A02 / North River / Described in condemnation notice 042-157A, 5/27/2015, excluding tidal Burke Mill Stream.	4A	Aquatic Plants (Macrophytes)	2006	L	0.250
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Split in the 2018 cycle.

MOBPH

VAP-C04E_NOR01B08 / North River / Portion of condemnation notice 042-157A, 6/21/2013 not included on the 6/3/1997 condemnation	4A	Aquatic Plants (Macrophytes)	2006	L	0.135
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MOBPH

VAP-C04E_NOR01C18 / North River / Portion of condemnation notice 157A, 6/3/1997 open 5/27/2015.	4A	Aquatic Plants (Macrophytes)	2006	L	0.067
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MOBPH

VAP-C04E_NOR02A02 / North River / North River and tribs from SFC 157A to Mobjack Bay, except as otherwise segmented.	4A	Aquatic Plants (Macrophytes)	2006	L	5.392
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MOBPH

VAP-C04E_OAK01A08 / Oakland Creek / Described in the condemnation notice 042-131B, 6/12/2014.	4A	Aquatic Plants (Macrophytes)	2006	L	0.030
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MOBPH

VAP-C04E_PEP01A06 / Pepper Creek / As described in the condemnation notice 040-085B, 9/26/2006.	4A	Aquatic Plants (Macrophytes)	2006	L	0.031
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MOBPH

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

VAP-C04E_PUT01A98 / Put In Creek / Portion of VDH-DSS condemnation notice 041-005A, 9/29/2015 not included in 5B, 6/5/1996.	4A	Aquatic Plants (Macrophytes)	2006	L	0.095
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Expanded slightly in the 2018 cycle.

MOBPH

VAP-C04E_PUT01C10 / Put In Creek / Portion of condemnation notice 5A, 6/5/1996 open on 041-005, 9/29/2015.	4A	Aquatic Plants (Macrophytes)	2006	L	0.032
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Shrank in the 2018 cycle.

MOBPH

VAP-C04E_PUT01D16 / Put In Creek / Described in condemnation notice 041-005B, 9/29/2015.	4A	Aquatic Plants (Macrophytes)	2006	L	0.005
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MOBPH

VAP-C04E_PUT02A98 / Put In Creek / Described in the condemnation notice 5B, 6/5/1996.	4A	Aquatic Plants (Macrophytes)	2006	L	0.021
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MOBPH

VAP-C04E_RAN01A08 / Raines Creek / VDH Shellfish Condemnation 041-212I, 10/25/2005	4A	Aquatic Plants (Macrophytes)	2006	L	0.039
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MOBPH

VAP-C04E_RAY01A12 / Raymond Creek / Described in VDH-DSS condemnation 042-131B, 6/30/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.026
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MOBPH

VAP-C04E_SLO01A08 / Sloop Creek / Tidal extent of Sloop Creek.	4A	Aquatic Plants (Macrophytes)	2006	L	0.050
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MOBPH

VAP-C04E_TAB01A08 / Tabbs Creek / Described in VDH Shellfish Condemnation 041-212F, 9/30/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.034
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Size reduced in the 2018 cycle.

MOBPH

VAP-C04E_THO01A08 / Thomas Creek / Described in VDH Shellfish Condemnation 041-212B, 9/25/2014.	4A	Aquatic Plants (Macrophytes)	2006	L	0.014
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MOBPH

VAP-C04E_WON01A08 / Weston Creek / Described in VDH Shellfish Condemnation 041-212A, 9/30/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.025
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MOBPH

VAP-C04E_WOO01A10 / Woodas Creek / Described in the condemnation notice 041-092B, 9/30/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.029
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Shrank slightly in the 2018 cycle.

MOBPH

VAP-C04E_WTS01A08 / Whites Creek / Described in VDH Shellfish Condemnation 041-212E, 10/25/2005.	4A	Aquatic Plants (Macrophytes)	2006	L	0.018
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# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

### MOBPH

VAP-C04E_XFA03A14 / XFA - North River, UT / Described in VDH-DSS condemnation 042-131A, 6/30/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.020
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### MOBPH

VAP-C04E_ZZZ03A06 / Unsegmented estuaries in C04 / Unsegmented portion within MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.409
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VAP-C05E_FOX01A08 / Fox Mill Run / Described in the condemnation notice 96B, 8/12/1996.	4A	Aquatic Plants (Macrophytes)	2006	L	0.085
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### MOBPH

VAP-C05E_OLD01A12 / Oldhouse Creek / Tidal limit to mouth at Ware River	4A	Aquatic Plants (Macrophytes)	2006	L	0.102
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### MOBPH

VAP-C05E_WAR01A02 / Ware River / Described in the condemnation notice 096A, 8/12/1996.	4A	Aquatic Plants (Macrophytes)	2006	L	0.257
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### MOBPH

VAP-C05E_WAR01B08 / Ware River / Portion of VDH condemnation notice 043-096A, 5/27/2015 not included in condemnation 96A and 96B, 8/12/1996.	4A	Aquatic Plants (Macrophytes)	2006	L	0.262
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Shortened in the 2018 cycle.

### MOBPH

VAP-C05E_WAR02A02 / Ware River / Ware River downstream of SFC 096.	4A	Aquatic Plants (Macrophytes)	2006	L	6.309
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### MOBPH

VAP-C05E_WAR02B18 / Ware River / Described in VDH-DSS condemnation 043-096C, 5/27/2015.	4A	Aquatic Plants (Macrophytes)	2006	L	0.010
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### MOBPH

VAP-C05E_WIL01A98 / Wilson Creek / Described in the condemnation notice 106, 8/12/1996.	4A	Aquatic Plants (Macrophytes)	2006	L	0.033
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### MOBPH

VAP-C05E_WIL01B08 / Wilson Creek / Portion of VDH condemnation notice 043-096B, 5/27/2015 not included in condemnation notice 106, 8/12/1996.	4A	Aquatic Plants (Macrophytes)	2006	L	0.241
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Expanded in the 2018 cycle.

### MOBPH

VAP-C05E_XDJ01A08 / Wilson Creek, UT / Tidal limit to mouth at Wilson Creek.	4A	Aquatic Plants (Macrophytes)	2006	L	0.010
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### MOBPH

VAP-C05E_ZZZ01A00 / Unsegmented estuaries in C05 / Unsegmented portion of the watershed.	4A	Aquatic Plants (Macrophytes)	2006	L	0.154
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### MOBPH

Draft 2018

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

VAP-C06E\_BRB01A08 / Browns Bay / Described in VDH Shellfish  
Condemnation 125B, 12/31/1996. 4A Aquatic Plants (Macrophytes) 2006 L 0.021

MOBPH

VAP-C06E\_BRB01B12 / Browns Bay / Portion of VDH Shellfish  
Condemnation 045-125M1, 12/9/2015 not included in 125B,  
12/31/1996. 4A Aquatic Plants (Macrophytes) 2006 L 0.024

MOBPH

VAP-C06E\_FSC01A98 / Free School Creek / Described in VDH  
Shellfish Condemnation 044-093A, 6/9/2016. 4A Aquatic Plants (Macrophytes) 2006 L 0.039

Shrank in the 2018 cycle.

MOBPH

VAP-C06E\_FSC01B12 / Free School Creek / Portion of TMDL study  
area open for harvest on 044-093, 6/9/2016. 4A Aquatic Plants (Macrophytes) 2006 L 0.028

MOBPH

VAP-C06E\_HEY01A98 / Heywood Creek / Described in the  
condemnation notice 044-054B, 4/2/2014. 4A Aquatic Plants (Macrophytes) 2006 L 0.081

MOBPH

VAP-C06E\_HEY01B10 / Heywood Creek / Portion of condemnation  
notice 101, 4/1/1997 open in condemnation 044-054, 4/2/2014. 4A Aquatic Plants (Macrophytes) 2006 L 0.085

MOBPH

VAP-C06E\_MNC01A98 / Monday Creek / Portion of VDH-DSS  
condemnation notice 25A, 12/31/1996 open 12/9/2015. 4A Aquatic Plants (Macrophytes) 2006 L 0.030

Split in the 2018 cycle.

MOBPH

VAP-C06E\_MNC01B18 / Monday Creek / Described in VDH-DSS  
condemnation notice 045-125A, 12/9/2015. 4A Aquatic Plants (Macrophytes) 2006 L 0.053

MOBPH

VAP-C06E\_ROW01A06 / Rows Creek / Described in VDH-DSS  
Shellfish Condemnation 044-054M2, 4/2/2014. 4A Aquatic Plants (Macrophytes) 2006 L 0.067

MOBPH

VAP-C06E\_SEN01A02 / Northwest Branch Severn River /  
Described in condemnation notice 044-093B, 6/9/2016, excluding  
tributary XEE. 4A Aquatic Plants (Macrophytes) 2006 L 0.092

MOBPH

VAP-C06E\_SEN01B16 / Northwest Branch Severn River, UT /  
Described in VDH-DSS condemnation notice 044-093D, 6/9/2016. 4A Aquatic Plants (Macrophytes) 2006 L 0.034

MOBPH

VAP-C06E\_SEN01C10 / Northwest Branch Severn River / Portion  
of condemnation notice 93A, 4/1/1997 open on 044-093, 6/9/2016. 4A Aquatic Plants (Macrophytes) 2006 L 0.202

MOBPH

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

VAP-C06E_SEN02A06 / Northwest Branch Severn River / Mainstem and tribs not otherwise segmented	4A	Aquatic Plants (Macrophytes)	2006	L	0.441
MOBPH					
VAP-C06E_SES01A00 / Southwest Branch Severn River / Mainstem	4A	Aquatic Plants (Macrophytes)	2006	L	0.635
MOBPH					
VAP-C06E_SEV02A00 / Severn River / End of NW Branch to mouth, unless otherwise segmented.	4A	Aquatic Plants (Macrophytes)	2006	L	3.258
MOBPH					
VAP-C06E_STR01A08 / Sterling Creek / Described in VDH Shellfish Condemnation 044-093E, 4/2/2014.	4A	Aquatic Plants (Macrophytes)	2006	L	0.021
MOBPH					
VAP-C06E_THC01A98 / Thorntons Creek / Described in the condemnation notice 044-054A, 4/2/2014.	4A	Aquatic Plants (Macrophytes)	2006	L	0.052
MOBPH					
VAP-C06E_THC01B10 / Thorntons Creek / Portion of condemnation notice 054, 4/1/1997 open in condemnation 044-054, 4/2/2014.	4A	Aquatic Plants (Macrophytes)	2006	L	0.027
MOBPH					
VAP-C06E_VGH01A98 / Vaughans Creek / Described in the condemnation notice 044-093C, 6/9/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.061
Shrank in the 2018 cycle.					
MOBPH					
VAP-C06E_VGH01B10 / Vaughans Creek / Portion of condemnation notice 093B, 4/1/1997 open on 6/9/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.060
MOBPH					
VAP-C06E_WET01A06 / Willetts Creek / Described in VDH Shellfish Condemnation 044-054M1, 4/2/2014.	4A	Aquatic Plants (Macrophytes)	2006	L	0.033
MOBPH					
VAP-C06E_WET01B08 / Willetts Creek / Described in VDH Condemnation 044-054C, 2/15/2006.	4A	Aquatic Plants (Macrophytes)	2006	L	0.128
MOBPH					
VAP-C06E_WTT01A08 / Whitaker Creek / Tidal extent of Whitaker Creek.	4A	Aquatic Plants (Macrophytes)	2006	L	0.066
MOBPH					
VAP-C06E_XEE01A10 / Northwest Branch Severn River, UT / Tidal limit to mouth at NW Branch Severn River	4A	Aquatic Plants (Macrophytes)	2012	L	0.003
MOBPH					
VAP-C06E_ZZZ01A00 / Unsegmented estuaries in C06 / Unsegmented portion of the watershed.	4A	Aquatic Plants (Macrophytes)	2006	L	1.352

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

VAT-C07E_BAK01A00 / Mainstem Back River / From junction of Northwest and Southwest Branches downstream to mouth of Back River. Portion of CBP Segment MOBPH. DSS Condemnation 054-215 OPEN (20161031) and 054-021 (20151102) shellfish condemnations.	4A	Aquatic Plants (Macrophytes)	2006	L	3.340
VAT-C07E_BAK01B08 / Mainstem Back River-South Shore at Mouth Wallace Cr. / Portion of mainstem along south shore between Windmill Pt. and Grunland Pt. CBP Segment MOBPH. DSS shellfish condemnation # 054-215 M1 (Seasonal)(effective 20161031).	4A	Aquatic Plants (Macrophytes)	2006	L	0.091
VAT-C07E_BAK02A14 / Back Creek - Inlet near Dandy Point [TMDL] / Tributary to south shore Back River (incl area in Back R), east of Harris R & adjacent to Inlet #2. CBP segment MOBPH. Portion of DSS shellfish condemnation # 054-215 B, 20161031.	4A	Aquatic Plants (Macrophytes)	2006	L	0.034
VAT-C07E_BCK01A00 / Back Creek - Upper / Back Creek (S of York R mouth) tributary to the Thorofare and Chesapeake Bay. From end of tidal waters downstream to point upstream of Dandy (RM 1.6). CBP Segment MOBPH. DSS shellfish condemnation # 053-151 A & M1 (effective 20150218).	4A	Aquatic Plants (Macrophytes)	2006	L	0.222
VAT-C07E_BCK02A06 / Back Creek - Middle (DSS-marina area) / Back Creek (S of York R mouth) is a tributary to The Thorofare and Chesapeake Bay. CBP Segment MOBPH. Area within DSS shellfish condemnation # 053-151 M1, around marina area (effective 20150218).	4A	Aquatic Plants (Macrophytes)	2006	L	0.138
VAT-C07E_BCK03A06 / Back Creek - Lower / Back Creek (S of York R mouth) is a tributary to The Thorofare and Chesapeake Bay. CBP Segment MOBPH. From upstream of Dandy (RM 1.6) downstream to mouth (RM 0.0). DSS (OPEN) shellfish condemnation # 053-151 (effective 20150218).	4A	Aquatic Plants (Macrophytes)	2006	L	0.405
VAT-C07E_BEN01A06 / Bennett Creek - Upper (DSS_06-IR) / Bennett Creek upstream portion (S of Poquoson R mouth) tributary to Poquoson River. From end of tidal waters downstream 0.1 mi. CBP Segment MOBPH. Portion of DSS shellfish condemnation # 053-222 E (effective 20160511).	4A	Aquatic Plants (Macrophytes)	2006	L	0.039
VAT-C07E_BEN02A08 / Bennet Creek - Lower Middle / South shore tributary to Poquoson R, in area of Griffins Beach. East of Roberts Cr. and north of White House Cove. CBP Segment MOBPH. DSS (OPEN) Shellfish condemnation # 053-222 and M1 seasonal (effective 20160511).	4A	Aquatic Plants (Macrophytes)	2006	L	0.209
VAT-C07E_BEN03A16 / Bennett Creek-Mouth / Mouth of Bennett Creek. CBP Segment MOBPH. No DSS direct shellfish harvesting condemnation.	4A	Aquatic Plants (Macrophytes)	2006	L	0.366
VAT-C07E_BRK01A06 / Brick Kiln Creek / From 0.3 mi. downstream of Big Bethel Res. dam (approx. RM 5.0, end of tidal waters north of Ebenezer Church ) downstream to confluence with Northwest Br. Back R. CBP Segment MOBPH. Portion of DSS shellfish condemnation # 054-021 A (effective 20151102).	4A	Aquatic Plants (Macrophytes)	2006	L	0.086
VAT-C07E_BTC01A08 / Bay Tree Creek / Trib to Bay, S of The Thorofare & N of mouth of Poquoson R. @ Bay Tree Point. CBP Segment MOBPH. DSS Shellfish condemnation # 053-221 C(effective 20160511).	4A	Aquatic Plants (Macrophytes)	2006	L	0.076
VAT-C07E_BTC02A18 / Bay Tree Creek- Mouth / Trib to Bay, S of The Thorofare & N of mouth of Poquoson R. @ Bay Tree Point. CBP Segment MOBPH. DSS (OPEN) Shellfish condemnation # 053-221 (effective 20160511).	4A	Aquatic Plants (Macrophytes)	2006	L	0.050

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

VAT-C07E_BTH01A08 / Boathouse Creek / Boathouse Creek (N of Poquoson R mouth) tributary to Chisman Creek. CBP Segment MOBPH. DSS condemnation # 053-221 (effective 20160511).	4A	Aquatic Plants (Macrophytes)	2006	L	0.078
VAT-C07E_CAB01A08 / Cabin Creek / Cabin Creek (N of Poquoson R mouth) tributary to Chisman Creek. CBP Segment MOBPH. DSS shellfish condemnation # 053-221 (effective 20160511).	4A	Aquatic Plants (Macrophytes)	2006	L	0.082
VAT-C07E_CCR01A06 / Cedar & Topping Creeks / Located near City of Poquoson. Cedar & Topping Creeks are tribs to the north shore of the Northwest Branch of Back River. Portion of DSS condemnation # 054-021 A (less NW Br Back R./Brick Kiln Cr. portion) effective 20151102. CBP Segment MOBPH.	4A	Aquatic Plants (Macrophytes)	2006	L	0.109
VAT-C07E_CHS01A06 / Chisman Creek-Upper / From end of tidal waters (upper 1/3 of creek), downstream to area of Evergreen Shores (approx. RM 0.9). CBP Segment MOBPH. DSS condemnation # 053-221A & seasonal M2 (effective 20160511).	4A	Aquatic Plants (Macrophytes)	2006	L	0.306
VAT-C07E_CHS02A06 / Chisman Creek - Lower / Lower 2/3 of creek, downstream from area of Evergreen Shores (RM 0.9) to mouth. CBP Segment MOBPH. DSS (OPEN) condemnation # 053-221 & M1(effective 20160511).	4A	Aquatic Plants (Macrophytes)	2006	L	0.631
VAT-C07E_EAS01A06 / Easton Cove / Located in southeast corner of Bennett Cr, trib to Poquoson River. Area of York Haven Anchorage. DSS (OPEN) shellfish condemnation # 053-222 (effective 20160511). CBP Segment MOBPH.	4A	Aquatic Plants (Macrophytes)	2006	L	0.057
VAT-C07E_FLY01A06 / Floyds Bay- Upper / Upper Portion of Floyds Bay. Located in southeast corner of Bennett Cr, trib to Poquoson River. Area of York Haven Anchorage. Portion of DSS shellfish condemnation # 053-222 D (effective 20160511). CBP Segment MOBPH.	4A	Aquatic Plants (Macrophytes)	2006	L	0.042
VAT-C07E_FLY02A16 / Floyds Bay- mouth / Located in southeast corner of Bennett Cr, trib to Poquoson River. Area of York Haven Anchorage. Portion of DSS shellfish condemnation # 053-222 (effective 20160511). CBP Segment MOBPH.	4A	Aquatic Plants (Macrophytes)	2006	L	0.010
VAT-C07E_FRT01A06 / Front Cove - Upper / North shore trib. to mainstem Back R. Adjacent to Messick Point. DSS shellfish condemnation # 054-021 D (effective 20151102). CBP Segment MOBPH.	4A	Aquatic Plants (Macrophytes)	2006	L	0.042
VAT-C07E_FRT02A08 / Front Cove - Lower / North shore trib. to mainstem Back R. Adjacent to Messick Point. DSS shellfish Seasonal condemnation # 054-021 M1 (effective 20151102). CBP Segment MOBPH.	4A	Aquatic Plants (Macrophytes)	2006	L	0.036
VAT-C07E_GLD01A10 / Grunland Creek - Mouth / South shore trib. to mainstem Back R. Adjacent to Grandview area. CBP Segment MOBPH. DSS shellfish harvesting condemnation # 054-215 (effective 20161031).	4A	Aquatic Plants (Macrophytes)	2006	L	0.038
VAT-C07E_GLD02A18 / Grunland Creek - Back River / South shore trib. to mainstem Back R. Adjacent to Grunland Point. CBP Segment MOBPH. DSS shellfish harvesting condemnation # 054-215 C (effective 20161031).	4A	Aquatic Plants (Macrophytes)	2006	L	0.064
VAT-C07E_GOO01A14 / Goose Creek- Upper / From end of tidal waters to approx. River mile 0.27. DSS Shellfish condemnation # 053-221 B (effective 20160511).	4A	Aquatic Plants (Macrophytes)	2006	L	0.065
VAT-C07E_GOO02A14 / Goose Creek- Lower / From Rivermile 0.27 to mouth. CBP Segment MOBPH. DSS OPEN condemnation #	4A	Aquatic Plants (Macrophytes)	2006	L	0.036

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

053-221 (effective 20160511).

VAT-C07E_HAR01A06 / Harris River - Upper / South shore trib. to mainstem Back R. Adjacent to Fox Hill area. DSS shellfish condemnation # 054-215 A (effective 20161031). CBP Segment MOBPH.	1A	Aquatic Plants (Macrophytes)	2006	L	0.198
VAT-C07E_HAR02A10 / Harris River - Mouth / South shore trib. to mainstem Back R. East shore area at mouth. Adjacent to Fox Hill area. CBP Segment MOBPH. DSS (OPEN) shellfish area # 054-215 (effective 20161031).	4A	Aquatic Plants (Macrophytes)	2006	L	0.160
VAT-C07E_HAR02B10 / Harris River - Lower Marina Area / South shore trib. to mainstem Back R. Adjacent to Fox Hill area. CBP Segment MOBPH. DSS (Seasonal) shellfish condemnation # 054-215 M2 (effective 20161031).	4A	Aquatic Plants (Macrophytes)	2006	L	0.053
VAT-C07E_HOD01A08 / Hodges Creek - Upper / North shore trib to Poquoson R. @ Fish Neck. CBP Segment MOBPH. Portion of DSS shellfish condemnation # 053-137 (effective 20150218).	4A	Aquatic Plants (Macrophytes)	2006	L	0.057
VAT-C07E_IN101A08 / DSS Inlet #1 - Unnamed Inlet at Mouth of SW Branch / South shore trib. to mainstem Back R. Located east of mouth of SW Branch. CBP Segment MOBPH. DSS shellfish harvesting condemnation # 054-021 C (effective 20151102).	4A	Aquatic Plants (Macrophytes)	2006	L	0.025
VAT-C07E_INB01A04 / DSS Inlet #2 - Unnamed Inlet S. Shore of SW Br. Back River / South shore trib. to Southwest Branch Back R. Located near mouth of SW Branch, west of unnamed DSS Inlet #1. DSS OPEN condemnation # 054-021 (effective 201511021). CBP Segment MOBPH.	4A	Aquatic Plants (Macrophytes)	2006	L	0.008
VAT-C07E_LMC01A04 / Lambs Creek - Poquoson River / South shore tributary to Poquoson R, west of Poquoson Shores. On border of Poquoson/York boundary. Between Moores Cr. and Roberts Cr to east. CBP Segment MOBPH. DSS Shellfish condemnation # 053-137 C (effective 20150218).	4A	Aquatic Plants (Macrophytes)	2006	L	0.135
VAT-C07E_LMC02A16 / Lambs Creek - Mouth / Mouth of Lambs Creek located on South shore tributary to Poquoson R, west of Poquoson Shores. CBP Segment MOBPH. DSS Shellfish condemnation # 053-137 (effective 20150218).	4A	Aquatic Plants (Macrophytes)	2006	L	0.028
VAT-C07E_LON01A06 / Long Creek - Back River / South shore trib. to mainstem Back R. Adjacent to Grandview natural Preserve area. CBP Segment MOBPH. DSS shellfish harvesting condemnation # 054-215 C (effective 20161031).	4A	Aquatic Plants (Macrophytes)	2006	L	0.043
VAT-C07E_LON01B12 / Long & Grunland Creeks - Back River / South shore trib. to mainstem Back R. Adjacent to Grandview area. CBP Segment MOBPH. DSS shellfish ADMIN harvesting condemnation # 054-215 C (effective 20161031).	4A	Aquatic Plants (Macrophytes)	2006	L	0.055
VAT-C07E_LON02A10 / Long & Grunland Creeks - DSS Admin Area / South shore trib. to mainstem Back R. Portion adjacent to Grandview area. CBP Segment CB8PH. DSS shellfish harvesting condemnation # 055-216 A ADMIN. Cond. (effective 20080530).	4A	Aquatic Plants (Macrophytes)	2006	L	0.085
VAT-C07E_LYO01A06 / Lyons Creek - Upper & Middle / South shore tributary to Poquoson R, in area of York Haven Anchorage. East of Roberts Cr. and north of White House Cove. CBP Segment MOBPH. Portion of DSS Shellfish condemnation # 053-222 B (effective 20160511).	4A	Aquatic Plants (Macrophytes)	2006	L	0.070
VAT-C07E_LYO02A06 / Lyons Creek - Lower / South shore tributary to Poquoson R, in area of York Haven Anchorage. East of	4A	Aquatic Plants (Macrophytes)	2006	L	0.050

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

Roberts Cr. and north of White House Cove. Lower portion of Lyons Cr. CBP Segment MOBPH. Portion of DSS Shellfish condemnation # 053-222 (effective 20160218).

VAT-C07E_NEW01A02 / Newmarket Creek - Upper / South of Blue Bird Gap Farm area. From end of tidal waters at Terrant ES (approx. RM 5.1) downstream to I-64 crossing (RM 3.68). CBP Segment MOBPH. Portion of DSS shellfish condemnation # 054-021 B (effective 20151102).	4A	Aquatic Plants (Macrophytes)	2006	L	0.073
VAT-C07E_NEW02A02 / Newmarket Creek - Lower / South of Blue Bird Gap Farm area. From the I-64 crossing (RM 3.68) downstream to confluence with SW Br. Back R. CBP Segment MOBPH. Portion of DSS shellfish condemnation # 054-021 B (effective 20151102).	4A	Aquatic Plants (Macrophytes)	2006	L	0.079
VAT-C07E_NWB01A06 / Northwest Br. Back River - Upper [TMDL-CD] / CBP Segment MOBPH. Headwaters to confluence of Cedar Creek between Cedar Point and Marsh Point. Portion of DSS shellfish condemnation # 054-021 A (less Cedar/Topping & Brick Kiln Creeks, effective 20151102).	4A	Aquatic Plants (Macrophytes)	2006	L	0.220
VAT-C07E_NWB01B08 / Northwest Br. Back River - Upper [TMDL not CD] / Northwest Br. Back River upper portion from confluence of Cedar Creek downstream to confluence Tabbs Cr. Portion DSS shellfish condemnation # 054-021 A (less Cedar/Topping & Brick Kiln Creeks, effective 20151102). CBP Segment MOBPH.	4A	Aquatic Plants (Macrophytes)	2006	L	0.248
VAT-C07E_NWB02A06 / Northwest Br. Back River - Lower [DSS OPEN] / From area of confluence of Topping Creek (approx. RM 1.5) downstream to confluence with mainstem Back R. CBP Segment MOBPH. Portion of DSS (OPEN) shellfish condemnation # 054-021 (effective 20151102).	4A	Aquatic Plants (Macrophytes)	2006	L	0.961
VAT-C07E_POQ01A06 / Poquoson River - Upper [TMDL-CD] / From Rt 17 crossing @ reservoir dam (RM 5.7) downstream to past confluence of Quarter March Cr (RM 2.7) @ Calthrop Neck. Including Moores & Quarter March Creeks. CBP Segment MOBPH. DSS shellfish condemn # 053-137 A (effective 20150218).	4A	Aquatic Plants (Macrophytes)	2006	L	0.518
VAT-C07E_POQ02A06 / Poquoson River - Lower [DSS-OPEN] / From Calthrop Neck downstream to mouth of Hodges Cove. CBP Segment MOBPH. DSS (OPEN) shellfish harvesting condemnation # 053-137 (effective 20150218).	4A	Aquatic Plants (Macrophytes)	2006	L	0.824
VAT-C07E_POQ03A08 / Poquoson River - Mouth / From Hunts Point a wedge NW across Poquoson River mouth to northern shore. CBP Segment MOBPH. DSS (OPEN) shellfish harvesting condemnation # 053-137 (effective 20150218).	4A	Aquatic Plants (Macrophytes)	2006	L	1.492
VAT-C07E_PTC01A04 / Patricks Creek - Poquoson River / North shore trib to Poquoson River south of Dare area. CBP Segment MOBPH. DSS Shellfish condemnation # 053-137 B (effective 20150218).	4A	Aquatic Plants (Macrophytes)	2006	L	0.119
VAT-C07E_ROB01A04 / Roberts Creek - Upper / South of mouth of Poquoson River between Hunts Pt. and Griffins Beach areas. CBP Segment MOBPH. DSS ADMIN Shellfish condemnation # 053-222 A (effective 20150218).	4A	Aquatic Plants (Macrophytes)	2006	L	0.104
VAT-C07E_ROB02A08 / Roberts Creek - Lower [DSS-OPEN] / South of mouth of Poquoson River between Hunts Pt. and Griffins Beach areas. CBP Segment MOBPH. DSS OPEN Shellfish condemnation # 053-222 (effective 20150218).	4A	Aquatic Plants (Macrophytes)	2006	L	0.009
VAT-C07E_SWB01A08 / SW Br Back River - Incl Tides Mill Cr [TMDL area] / Headwaters of Southwest Branch (incl tidal Tides Mill	4A	Aquatic Plants (Macrophytes)	2006	L	1.119

# Fact Sheets for Impaired (Category 4 or 5) Waters in 2018

## Chesapeake Bay/Atlantic/Small Coastal Basins

Cr) downstream to Langley View. CBP segment MOBPH. Portion of DSS shellfish condemnation # 054-021 B (effective 20151102).

VAT-C07E\_SWB02A08 / Southwest Br. Back River - Mouth / Lower portion to confluence with mainstem Back R. CBP Segment MOBPH. Portion of DSS shellfish (OPEN) condemnation # 054-021 (effective 20151102).

4A	Aquatic Plants (Macrophytes)	2006	L	0.568
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VAT-C07E\_TBC01A04 / Tabbs Creek - NW Br Back River / Tributary to Northwest Branch Back River, entirety of creek. CBP segment MOBPH. Portion of DSS shellfish condemnation # 054-021 E (effective 20151102).

4A	Aquatic Plants (Macrophytes)	2006	L	0.069
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VAT-C07E\_TBC02A10 / Tabbs Creek Mouth - NW Br Back River / Tributary to Northwest Branch Back River, mouth of creek. CBP segment MOBPH. Portion of DSS OPEN shellfish condemnation # 054-021 (effective 20151102).

4A	Aquatic Plants (Macrophytes)	2006	L	0.038
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VAT-C07E\_THR01A10 / Sandbox Area NW Thorofare / Sandbox Area NW Thorofare Inlet near Goodwin Neck. CBP Segment MOBPH. DSS OPEN condemnation 053-051 (effective 20150218).

4A	Aquatic Plants (Macrophytes)	2006	L	0.012
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VAT-C07E\_WAL01A06 / Wallace Creek - Upper (Back River) / Tributary to south shore Back River, east of Harris R & adjacent to Inlet #2. Most upstream tip of creek. CBP segment MOBPH. DSS (PROHIBITED - ADMIN COND) shellfish condemnation # 054-215 B&D (effective 20161031).

4A	Aquatic Plants (Macrophytes)	2006	L	0.036
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VAT-C07E\_WAT01A06 / Watts Creek - (NW Br. Back River) / Located southwest of Poquoson. Watts Cr. trib to Northwest Br. of Back R. CBP segment MOBPH. Portion of DSS condemnation # 054-021 (effective 20151102).

4A	Aquatic Plants (Macrophytes)	2006	L	0.058
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VAT-C07E\_WHH01A06 / White House Cove - Bennet Cr. Area / Located in York Haven Anchorage area, south of mouth of Poquoson R, CBP segment MOBPH. Portion of DSS Shellfish condemnation # 053-222 C and seasonal M1 (effective 20160511).

4A	Aquatic Plants (Macrophytes)	2006	L	0.145
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VAT-C07E\_ZZZ01A00 / Unsegmented estuaries in Back River / Non segmented areas of C07E. CBP Segment MOBPH. No DSS direct shellfish harvesting condemnation.

4A	Aquatic Plants (Macrophytes)	2006	L	1.040
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VAT-C07E\_ZZZ01B12 / Unsegmented estuaries in Back River - DSS / Non segmented areas of C07E. CBP Segment MOBPH. DSS Condemnation # 054-021 B (effective date 20151102).

4A	Aquatic Plants (Macrophytes)	2006	L	0.097
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Chesapeake Bay segment MOBPH (Mobjack Bay)

### Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes) - Total Impaired Size by Water Type: **411.684**

Estuary (Sq. Miles)      Reservoir (Acres)      River (Miles)

### Sources:

Agriculture	Atmospheric Deposition - Nitrogen	Clean Sediments	Industrial Point Source Discharge
Internal Nutrient Recycling	Loss of Riparian Habitat	Municipal Point Source Discharges	Non-Point Source
Sediment Resuspension (Clean Sediment)	Sources Outside State Jurisdiction or Borders	Wet Weather Discharges (Non-Point Source)	Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **PIAMH-SAV-BAY**      **Piankatank Mesohaline Estuary**

Cause Location: The Piankatank Mesohaline estuary.

City / County: Gloucester Co.      Mathews Co.      Middlesex Co.

Use(s): Aquatic Life      Shallow-Water Submerged  
Aquatic Vegetation

Cause(s) / VA Category: Aquatic Plants (Macrophytes) / 4A

During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) fails the Submerged Aquatic Vegetation acreage requirements. There is insufficient data to assess the Water Clarity Acreage criteria.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, the segment is considered Category 4A.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C02E_DRN01A02 / Dragon Swamp / The tidal portion of Dragon Swamp to its mouth at the Piankatank River.	4A	Aquatic Plants (Macrophytes)	2006	L	0.823
PIAMH					
VAP-C03E_COB02C10 / Cobbs Creek / Described in VDH-DSS condemnation 034-126B, 11/12/2014	4A	Aquatic Plants (Macrophytes)	2006	L	0.086
PIAMH					
VAP-C03E_COR01A08 / Cores Creek / Described in VDH-DSS condemnation 034-208D, 11/21/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.018
PIAMH					
VAP-C03E_DAN01A08 / Dancing Creek / Described in VDH condemnation 025-076C, 11/21/2016	4A	Aquatic Plants (Macrophytes)	2006	L	0.034
PIAMH					
VAP-C03E_FER01A98 / Ferry Creek / Described in the condemnation notice 035-076B, 11/21/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.125
Expanded in the 2018 cycle.					
PIAMH					
VAP-C03E_FRE01A02 / Frenchs Creek / As described in the condemnation notice 035-076D, 11/12/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.010
PIAMH					
VAP-C03E_HEA01A02 / Healy Creek / Described in the VDH-DSS Shellfish Condemnation Notice 034-208C, 11/21/2016	4A	Aquatic Plants (Macrophytes)	2006	L	0.071
PIAMH					
VAP-C03E_HRP01A98 / Harper Creek / Described in the condemnation notice 076B, 6/10/1997.	4A	Aquatic Plants (Macrophytes)	2006	L	0.062
PIAMH					
VAP-C03E_JCK01A98 / Jackson Creek / Described in the condemnation notice 84A, 11/1/1996	4A	Aquatic Plants (Macrophytes)	2006	L	0.019

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

PIAMH

VAP-C03E_JCK01B08 / Jackson Creek / Described in the condemnation notice 033-084B, 11/12/2014.	4A	Aquatic Plants (Macrophytes)	2006	L	0.013
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PIAMH

VAP-C03E_JCK01B14 / Jackson Creek / Portion of condemnation notice 84B, 11/1/1996 within 033-084M1, 11/12/2014.	4A	Aquatic Plants (Macrophytes)	2006	L	0.003
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PIAMH

VAP-C03E_JCK01C08 / Jackson Creek / Portion of condemnation notice 033-084A, 11/12/2014 not included in 84A, 11/1/1996	4A	Aquatic Plants (Macrophytes)	2006	L	0.002
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PIAMH

VAP-C03E_JCK01C14 / Jackson Creek, UT / Described in VDH-DSS condemnation notice 033-084C, 11/12/2014.	4A	Aquatic Plants (Macrophytes)	2006	L	0.033
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PIAMH

VAP-C03E_JCK02B16 / Jackson Creek / Described in VDH-DSS condemnation notice 033-084E, 11/12/2014.	4A	Aquatic Plants (Macrophytes)	2006	L	0.011
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PIAMH

VAP-C03E_JCK02C10 / Jackson Creek / Portion of VDH-DSS condemnation notice 033-084M1, 11/12/2014 not included in 084B, 11/1/1996.	4A	Aquatic Plants (Macrophytes)	2006	L	0.212
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PIAMH

VAP-C03E_JCK03C10 / Jackson Creek / Described in condemnation notice 033-084D, 11/12/2014	4A	Aquatic Plants (Macrophytes)	2006	L	0.013
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PIAMH

VAP-C03E_MRE01A02 / Moore Creek / As described in the condemnation notice 034-208A, 11/21/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.040
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Size reduced in the 2018 cycle.

PIAMH

VAP-C03E_PNK01A02 / Piankatank River / Portions of VDH-DSS condemnation 035-076A, 11/21/2016 open on 6/10/1997. Segment ends at Deep Point Boat Landing.	4A	Aquatic Plants (Macrophytes)	2006	L	0.558
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Expanded in the 2018 cycle.

PIAMH

VAP-C03E_PNK01A98 / Piankatank River / Watershed limit (start of Piankatank River) downstream to limit of SFC 035-076A, 6/10/1997.	4A	Aquatic Plants (Macrophytes)	2006	L	1.280
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PIAMH

VAP-C03E_PNK02A00 / Piankatank River / Mainstem Piankatank from Deep Point Boat Landing downstream to PNK03A00, excluding the Berkley Island area.	4A	Aquatic Plants (Macrophytes)	2006	L	4.007
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PIAMH

VAP-C03E_PNK02B08 / Piankatank River / Bend around Berkley	4A	Aquatic Plants (Macrophytes)	2006	L	0.785
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# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

Island

PIAMH

VAP-C03E_PNK03A00 / Piankatank River / One-half mile radius around monitoring station 7-PNK005.36 on the Piankatank River between Pond Point and Iron Point.	4A	Aquatic Plants (Macrophytes)	2006	L	1.167
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PIAMH

VAP-C03E_PNK04A00 / Piankatank River / Mainstem Piankatank River from PNK03A00 downstream to the point at Fishing Bay.	4A	Aquatic Plants (Macrophytes)	2006	L	3.528
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PIAMH

VAP-C03E_PNK04B06 / Piankatank River / As described in VDH-DSS SFC 034-208M1, 11/21/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.040
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PIAMH

VAP-C03E_PNK04C06 / Piankatank River, Fishing Bay / As described in VDH-DSS SFC 034-208 M2, 11/21/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.085
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PIAMH

VAP-C03E_PNK04D08 / Porpoise Cove / As described in VDH-DSS4A SFC 034-208B, 11/21/2016	4A	Aquatic Plants (Macrophytes)	2006	L	0.011
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PIAMH

VAP-C03E_PNK05A02 / Piankatank River / Piankatank River downstream of Fishing Bay at Stove Point to mouth at Chesapeake Bay	4A	Aquatic Plants (Macrophytes)	2006	L	4.942
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PIAMH

VAP-C03E_PNK07B08 / Piankatank River, UT / Described in VDH-DSS SFC 034-126C, 11/12/2014.	4A	Aquatic Plants (Macrophytes)	2006	L	0.007
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PIAMH

VAP-C03E_PNK08B08 / Piankatank River, UT / Described in VDH-DSS SFC 034-126D, 11/12/2014	4A	Aquatic Plants (Macrophytes)	2006	L	0.003
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PIAMH

VAP-C03E_WLT01A98 / Wilton Creek / Described in the condemnation notice 034-126A, 11/12/2014	4A	Aquatic Plants (Macrophytes)	2006	L	0.134
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PIAMH

VAP-C03E_ZZZ01B14 / Unsegmented estuaries in C03 / Unsegmented portion of watershed CB11.	4A	Aquatic Plants (Macrophytes)	2006	L	0.175
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PIAMH

VAP-C04E_BLL01A16 / Billups Creek / Portion of condemnation notice 204, 4/4/1997 open 1/31/2014.	4A	Aquatic Plants (Macrophytes)	2006	L	0.017
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PIAMH

VAP-C04E_BLL01A98 / Billups Creek / Described in the condemnation notice 037-061B, 1/31/2014.	4A	Aquatic Plants (Macrophytes)	2006	L	0.029
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PIAMH

Draft 2018

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# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

VAP-C04E_BLL02A16 / Billups Creek / Billups Creek not otherwise segmented.	4A	Aquatic Plants (Macrophytes)	2006	L	0.312
PIAMH					
VAP-C04E_BLL02C12 / Billups Creek / Described in condemnation notice 037-061M3, 2/16/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.005
PIAMH					
VAP-C04E_BRN01A04 / Barn Creek / Described in VDH-DSS condemnation notice 036-197C, 2/16/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.020
PIAMH					
VAP-C04E_EDW01A98 / Edwards Creek / Portion of VDH condemnation notice 197A, 1/21/1997 open in 036-197, 2/16/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.006
Segment split in the 2018 cycle.					
PIAMH					
VAP-C04E_EDW01B18 / Edwards Creek / Described in VDH condemnation notice 036-197D, 2/16/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.021
PIAMH					
VAP-C04E_EDW02A98 / Edwards Creek / Described in the condemnation notice 036-197B, 1/21/1997.	4A	Aquatic Plants (Macrophytes)	2006	L	0.047
PIAMH					
VAP-C04E_HKC01A08 / Hickorynut Cove / Tidal limit to mouth at Milford Haven	4A	Aquatic Plants (Macrophytes)	2006	L	0.023
PIAMH					
VAP-C04E_HUD01A08 / Hudgins Creek / Described in VDH-DSS Condemnation 037-061D, 2/7/2012	4A	Aquatic Plants (Macrophytes)	2006	L	0.016
PIAMH					
VAP-C04E_LAN01A02 / Lanes Creek / As described in condemnation notice 037-099E, 1/31/2014.	4A	Aquatic Plants (Macrophytes)	2006	L	0.020
PIAMH					
VAP-C04E_LAN01B08 / Lanes Creek, UT / Described in VDH Shellfish Condemnation 037-099C, 2/16/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.002
PIAMH					
VAP-C04E_MID01A02 / Winder Creek / As described in the condemnation notice 037-099B, 2/16/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.025
PIAMH					
VAP-C04E_MLF01A98 / Milford Haven / Described in the condemnation notice 036-197A, 2/16/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.029
PIAMH					
VAP-C04E_MLF02A98 / Milford Haven / Described in the condemnation notice 036-197E, 2/16/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.030

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

PIAMH

VAP-C04E_MLF03A00 / Milford Haven / Downstream of SFC 036-197, 2/16/2016 except as otherwise segmented.	IA	Aquatic Plants (Macrophytes)	2006	L	1.411
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PIAMH

VAP-C04E_MLF04A06 / Milford Haven / Hills Bay	IA	Aquatic Plants (Macrophytes)	2006	L	2.283
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PIAMH

VAP-C04E_MLF05A06 / Milford Haven / Described in VDH-DSS condemnation 036-197M1, 2/16/2016.	IA	Aquatic Plants (Macrophytes)	2006	L	0.041
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PIAMH

VAP-C04E_MRC01A98 / Morris Creek / Described in condemnation notice 61B, 4/4/1997.	IA	Aquatic Plants (Macrophytes)	2006	L	0.034
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PIAMH

VAP-C04E_QUE01A98 / Queens Creek / Described in condemnation notices 037-099A, 2/16/2016.	IA	Aquatic Plants (Macrophytes)	2006	L	0.063
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Size reduced in the 2018 cycle.

PIAMH

VAP-C04E_QUE01B10 / Queens Creek / Described in condemnation notices 037-099M1, 2/16/2016.	IA	Aquatic Plants (Macrophytes)	2006	L	0.031
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PIAMH

VAP-C04E_QUE01C10 / Queens Creek / Below condemnation notices 99A, 4/7/1997 and 037-099, 2/16/2016	IA	Aquatic Plants (Macrophytes)	2006	L	0.061
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PIAMH

VAP-C04E_QUE01D12 / Queens Creek / Portion of condemnation notice 99A, 4/9/1997 not included in 037-099A, 2/16/2016.	IA	Aquatic Plants (Macrophytes)	2006	L	0.100
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Expanded in the 2018 cycle.

PIAMH

VAP-C04E_QUE02A12 / Queens Creek, UT / Described in condemnation notice 037-099C, 1/31/2014.	IA	Aquatic Plants (Macrophytes)	2006	L	0.019
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PIAMH

VAP-C04E_STO01A08 / Stoakes Creek / Described in VDH Shellfish Condemnation 037-061M1, 2/16/2016.	IA	Aquatic Plants (Macrophytes)	2006	L	0.006
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PIAMH

VAP-C04E_STO01B14 / Stoakes Creek / Tidal limit to mouth unless otherwise segmented.	IA	Aquatic Plants (Macrophytes)	2006	L	0.289
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PIAMH

VAP-C04E_STT01A14 / Stutts Creek / Portion of condemnation notice 061A, 4/4/1997 open 2/16/2016.	IA	Aquatic Plants (Macrophytes)	2006	L	0.028
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Expanded in the 2018 cycle.

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

PIAMH

VAP-C04E_STT01A98 / Stutts Creek / Described in condemnation notice 037-061A and -061B, 2/16/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.062
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Size reduced in the 2018 cycle.

PIAMH

VAP-C04E_STT01B06 / Stutts Creek, UT (Hole in the Wall) / Described in VDH-DSS condemnation 037-061M5, 2/16/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.016
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PIAMH

VAP-C04E_STT01B10 / Stutts Creek/Morris Creek / Portion of VDH condemnation notice 037-061C, 2/16/2016 not condemned on 4/4/1997.	4A	Aquatic Plants (Macrophytes)	2006	L	0.005
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Shrank considerably in the 2018 cycle.

PIAMH

VAP-C04E_STT01C14 / Stutts Creek / Described in VDH condemnation notice 037-061M4, 2/16/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.013
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PIAMH

VAP-C04E_STT02A00 / Stutts Creek / Morris Creek / Downstream limit of condemnation to Fanneys Point, except as otherwise segmented.	4A	Aquatic Plants (Macrophytes)	2006	L	0.229
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PIAMH

VAP-C04E_STT04A06 / Stutts Creek / Described in VDH-DSS SFC 037-061M2, 2/16/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.025
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PIAMH

VAP-C04E_STT05A10 / Stutts Creek (Hole in the Wall) / From Point Breeze downstream to its mouth at the Chesapeake Bay.	4A	Aquatic Plants (Macrophytes)	2006	L	1.037
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PIAMH

VAP-C04E_WHA01A06 / Wharf Creek / Described in VDH-DSS SFC 036-197M2, 2/16/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.018
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PIAMH

VAP-C04E_WHI01A08 / Whites Creek / Whites Creek around Festival Beach	4A	Aquatic Plants (Macrophytes)	2006	L	0.046
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PIAMH

VAP-C04E_WHI01B12 / Whites Creek / Stutts Creek to Festival Beach	4A	Aquatic Plants (Macrophytes)	2006	L	0.271
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PIAMH

VAP-C04E_XFE01A16 / XFE - Piankatank River, UT (aka Kibble Pond) / Described in VDH-DSS condemnation 036-197B, 2/16/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.016
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PIAMH

VAP-C04E_ZZZ01A00 / Unsegmented estuaries in C04 / Unsegmented portion of the watershed within PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	0.766
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# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

Piankatank Mesohaline Estuary

### **Shallow-Water Submerged Aquatic Vegetation**

Estuary  
(Sq. Miles)

Reservoir  
(Acres)

River  
(Miles)

Aquatic Plants (Macrophytes) - Total Impaired Size by Water Type: **25.766**

#### Sources:

Agriculture

Atmospheric Deposition -  
Nitrogen

Clean Sediments

Industrial Point Source  
Discharge

Internal Nutrient Recycling

Loss of Riparian Habitat

Municipal Point Source  
Discharges

Sediment Resuspension  
(Clean Sediment)

Sources Outside State  
Jurisdiction or Borders

Wet Weather Discharges  
(Point Source and  
Combination of Stormwater,  
SSO or CSO)

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code: POCMH-SAV-BAY** Chesapeake Bay segment POCMH (Pocomoke Sound)

Cause Location: This cause encompasses the complete CPB segment POCMH.

City / County: Accomack Co.

Use(s): Aquatic Life                      Shallow-Water Submerged  
   Aquatic Vegetation

Cause(s) / VA Category: Aquatic Plants (Macrophytes) / 4A

Submerged aquatic vegetation goal is 4067 acres and only 63% of this goal was attained in the most recent 3 years. The acres of submerged aquatic vegetation (SAV) mapped through aerial surveys do not meet the criteria. Only 70% of water clarity goal met according to 2014 and 2015 Dataflow surveys.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VACB-C10E_POC01A18 / Pocomoke Sound / Pocomoke Sound - VDH DSS #075-033 (Open)	4A	Aquatic Plants (Macrophytes)	2006	L	0.205
VACB-C10E_POC01B18 / Pocomoke Sound / Pocomoke Sound - VDH DSS condemnation #075-033 (Restricted)	4A	Aquatic Plants (Macrophytes)	2006	L	0.111
VACB-C10E-POC / Chesapeake Bay - VA portion of CBP segment POCMH / This assessment unit is the mainstem Chesapeake Bay portion of Chesapeake Bay Program segment POCMH, located in the mesohaline area of Pocomoke sound. HUC: 02080101.	4A	Aquatic Plants (Macrophytes)	2006	L	46.558
VAT-C10E_BAG01A00 / Bagwell Creek / Northwest of Town of Justisville. Entirety of creek. Portion of CBP segment POCMH. DSS shellfish direct harvesting condemnation # 077-138 A (effective 20150708).	4A	Aquatic Plants (Macrophytes)	2006	L	0.102
VAT-C10E_BAG02A10 / Bagwell Creek - Lower / Northwest of Town of Justisville. Lower DSS OPEN portion of Cr. Portion of CBP segment POCMH. DSS (OPEN) shellfish direct harvesting area # 077-138 (effective 20150708).	4A	Aquatic Plants (Macrophytes)	2006	L	0.114
VAT-C10E_DIX01A08 / Dix Cove / Northwest of Town of Parksley. Adjacent to Bagwell & Hunting Creeks. Within CBP segment POCMH. Portion of DSS (OPEN) shellfish direct harvesting area # 077-138 (effective 20150708).	4A	Aquatic Plants (Macrophytes)	2006	L	0.041
VAT-C10E_GLF01A06 / Guilford Creek - Upper / Northeast of Town of Guilford. Upper portion of creek, from end of tidal waters downstream to end of DSS condemnation portion. Portion of CBP segment POCMH. DSS shellfish condemnation # 076-176 A (effective 20160711).	4A	Aquatic Plants (Macrophytes)	2006	L	0.152
VAT-C10E_GLF02A06 / Guilford Creek - Lower / Northeast of Town of Guilford. Lower portion of creek, from end of DSS condemnation downstream to mouth. Portion of CBP segment POCMH. DSS (OPEN) shellfish direct harvesting condemnation # 076-176 (effective 20160711).	4A	Aquatic Plants (Macrophytes)	2006	L	0.106
VAT-C10E_GLF03A08 / Guilford Creek - Lower [No DSS] / Northeast of Town of Guilford. Lower portion of creek, from end of DSS condemnation downstream to mouth. Portion of CBP segment POCMH. No DSS shellfish direct harvesting condemnation identified.	4A	Aquatic Plants (Macrophytes)	2006	L	0.460
VAT-C10E_GSH01A06 / Guard Shore Beach / In Old Cove (Beasley Bay). Located at Bailey Ridge, west of Bloxom. Portion of CBP segment POCMH. No DSS shellfish direct harvesting condemnation.	4A	Aquatic Plants (Macrophytes)	2006	L	0.026



# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

VAT-C10E_HUN01A00 / Hunting Creek - Upper / W of Hopkins. Upper portion, from end of tidal waters downstream to end of DSS condemnation (downstream of Town of Hopkins). CBP segment POCMH. DSS shellfish direct harvesting condemnation # 077-138 B (effective 20150708).	4A	Aquatic Plants (Macrophytes)	2006	L	0.168
VAT-C10E_HUN02A06 / Hunting Creek - Lower / West of Town of Hopkins. Lower portion of creek, from end of DSS condemnation downstream to mouth. Portion of CBP segment POCMH. DSS (OPEN) shellfish direct harvesting condemnation # 077-138 (effective 20150708).	4A	Aquatic Plants (Macrophytes)	2006	L	0.674
VAT-C10E_MES01A06 / Messongo Creek - Upper / Located southeast of Marsh Market & start of Rec TMDL (213) . Running parallel with Rt 692 upstream to the end of tidal waters. POCMH. Upstream portion of DSS shellfish condemnation # 076-167 A (effective 20160711).	4A	Aquatic Plants (Macrophytes)	2006	L	0.042
VAT-C10E_MES02A06 / Messongo Creek - Middle [TMDL-732] / South of Town of Belinda. Portion of CBP segment POCMH. TMDL P# 732- SF. DSS Condemnation # 076-167 (effective 20160711).	4A	Aquatic Plants (Macrophytes)	2006	L	0.156
VAT-C10E_MES02B08 / Messongo Creek - Middle [No TMDL] / Located south of Saxis and Belinda Rd intersection. Portion of CBP segment POCMH. DSS OPEN condemnation # 076-167 (effective 20160711).	4A	Aquatic Plants (Macrophytes)	2006	L	0.093
VAT-C10E_MES03A06 / Messongo Creek - Lower / Located south of Saxis and Belinda Rd intersection downstream to the mouth. Portion of CBP segment POCMH. No DSS shellfish direct harvesting condemnation.	4A	Aquatic Plants (Macrophytes)	2006	L	1.106
VAT-C10E_MUD01A04 / Muddy Creek - Upper / Located southeast of Byrds Marsh and northeast of Town of Bloxom. From end of tidal waters downstream to Poulson Pt. Portion of CBP segment POCMH. DSS shellfish condemnation # 076-176 B(effective 20160711).	4A	Aquatic Plants (Macrophytes)	2006	L	0.301
VAT-C10E_MUD02A06 / Muddy Creek - Lower / Located southeast of Byrds Marsh and northeast of Town of Bloxom. Lower portion of creek, Pettigrew Bend to end of DSS Open condemnation. Portion of CBP segment POCMH. DSS shellfish OPEN condemnation # 076-176 (effective 20160711).	4A	Aquatic Plants (Macrophytes)	2006	L	0.048
VAT-C10E_MUD03A08 / Muddy Creek - Lower [No DSS] / Located southeast of Byrds Marsh and northeast of Town of Bloxom. Lower portion of creek, from end of DSS condemnation downstream to mouth. Portion of CBP segment POCMH. No DSS shellfish direct harvesting condemnation.	4A	Aquatic Plants (Macrophytes)	2006	L	0.060
VAT-C10E_STR01A08 / Starling Creek / Located on Saxis Island, southwest of Pocomoke Sound. Embayment at town of Saxis. From end of tidal waters downstream to end of DSS condemnation. Portion of CBP segment POCMH. DSS shellfish direct harvesting condemnation # 075-118 M1 (effective 20111102).	4A	Aquatic Plants (Macrophytes)	2006	L	0.091
VAT-C10E_YOU01A06 / Young Creek / Northeast of Town of Guilford and south of Jobes Island. Portion of CBP segment POCMH. DSS (OPEN) shellfish direct harvesting condemnation # 076-176 (effective 20120810).	4A	Aquatic Plants (Macrophytes)	2006	L	0.243
VAT-C10E_ZZZ02A06 / Unsegmented estuaries in C10E-POCMH [No DSS] / Evaluated non-segmented portions of C10E not contained within VACB-R01E-CB7S. Portion of CBP segment POCMH. No DSS shellfish direct harvesting condemnation area identified.	4A	Aquatic Plants (Macrophytes)	2006	L	2.975
VAT-C10E_ZZZ02B10 / Unsegmented Bay Waters in C10E-	4A	Aquatic Plants (Macrophytes)	2006	L	0.365

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

POCMH - Doe Cr / Non-segmented portions of Bay Waters in C10E-  
POCMH. DSS (OPEN) shellfish direct harvesting condemnation area #  
077-138 (201520708).

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Chesapeake Bay segment POCMH (Pocomoke Sound)

### **Shallow-Water Submerged Aquatic Vegetation**

Aquatic Plants (Macrophytes) - Total Impaired Size by Water Type:

Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
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**54.196**

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#### Sources:

Agriculture	Atmospheric Deposition - Nitrogen	Clean Sediments	Industrial Point Source Discharge
Internal Nutrient Recycling	Loss of Riparian Habitat	Municipal Point Source Discharges	Non-Point Source
Sediment Resuspension (Clean Sediment)	Sources Outside State Jurisdiction or Borders	Wet Weather Discharges (Non-Point Source)	Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code: POCOH-DO-BAY Pocomoke River System CBP segment POCOH (Pocomoke River)**

Cause Location: This cause encompasses the entirety of the Pocomoke River System CBP segment POCOH. Virginia portion of CBP segment POCOH.

City / County: Accomack Co.

Use(s): Aquatic Life Open-Water Aquatic Life

Cause(s) / VA Category: Oxygen, Dissolved / 4C

The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer.

The Open Water - Summer Dissolved Oxygen impairment for all the Pocomoke oligohaline segments (POCOH) (to include all tribs/creeks) will be assessed as Category 4C based on the conclusions from the Natural Conditions Assessment for the Pocomoke Sound completed in October 2010 (EPA approval email 11/3/2010). This Assessment Report concluded that the Pocomoke oligohaline segment's low dissolved oxygen conditions during the summer months are strongly influenced by natural conditions and the downstream estuarine condition.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C09E_BLB01A06 / Bullbegger Creek / Located southeast of Pitts Neck area. From estuarine/riverine transition (end of tidal waters) downstream to mouth (confluence with Pocomoke Sound). Portion of CBP segment POCOH. Portion of DSS condemnation # 075-033 A (effective 20160711).	4C	Oxygen, Dissolved			0.134
VAT-C09E_POC01A06 / Pocomoke River / Located northeast of Pitts Neck area, along VA/MD border. From VA/MD state line downstream to mouth (confluence with Pocomoke Sound) within VA. Portion of CBP segment POCOH. Portion of DSS condemnation # 075-033 A (effective 20160711).	4C	Oxygen, Dissolved			0.240
VAT-C09E_POC02A08 / Pocomoke Sound [C09 portion] / Pocomoke Sound downstream of the Pocomoke River (VA portion). Portion of CBP segment POCOH. Portion of DSS shellfish direct harvesting condemnation # 075-033 A (effective 20160711).	4C	Oxygen, Dissolved			0.726
VAT-C09E_PTT01A06 / Pitts Creek / Located northeast of Pitts Neck area, along VA/MD border. From VA/MD state line downstream to mouth (confluence with Pocomoke River) within VA. Portion of CBP segment POCOH. Portion of DSS condemnation # 075-033 A (effective 20160711).	4C	Oxygen, Dissolved			0.127
VAT-C09E_PTT01B10 / Pitts Creek - Upper [Admin Cond] / Located northeast of Pitts Neck area, along VA/MD border. From VA/MD state line upstream to headwaters within VA at Dunns Swamp Road. Portion of CBP segment POCOH. Portion of DSS condemnation # 075-033 A (effective 20160711).	4C	Oxygen, Dissolved			0.069
VAT-C09E_ZZZ01A06 / Unsegmented tidal tributaries in C09E-POCOH / Evaluated non segmented portions of C09E. Portion of CBP segment POCOH. Portion of DSS shellfish direct harvesting condemnation # 075-033 (effective 20160711).	4C	Oxygen, Dissolved			0.006
VAT-C10E_HLD01A06 / Holdens Creek - Upper / Located southeast of Joeys Neck area. From confluence Sandy Bottom Br downstream to 0.5 mi of station @ 7-HLD002.67. Portion of CBP segment POCOH. Portion of DSS condemnation # 075-033 A (effective 20160711).	4C	Oxygen, Dissolved			0.034
VAT-C10E_HLD02A06 / Holdens Creek - Lower / Located southeast of Joeys Neck area. From 0.5 mi downstream of station @ 7-	4C	Oxygen, Dissolved			0.050

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

HLD002.67 downstream to mouth. Portion of CBP segment POCOH.  
Portion of DSS shellfish condemnation # 075-033 A (effective  
20160711).

VAT-C10E\_POC01A08 / Pocomoke Sound - Lower [C10 portion] / 4C Oxygen, Dissolved 1.452  
Pocomoke Sound downstream of the Pocomoke River (VA portion).  
Area adjacent to Holdens Creek. Portion of CBP segment POCOH.  
Portion of DSS shellfish direct harvesting condemnation # 075-033 A  
(effective 20131023).

Pocomoke River System CBP segment POCOH (Pocomoke River)	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Aquatic Life</b>			
Oxygen, Dissolved - Total Impaired Size by Water Type:	<b>2.839</b>		

### Sources:

Internal Nutrient Recycling      Loss of Riparian Habitat      Natural Sources

# *Fact Sheets for Impaired (Category 4 or 5) Waters in 2018*

## *Chesapeake Bay/Atlantic/Small Coastal Basins*

**Cause Group Code:** **TANMH-DO-BAY**      **Chesapeake Bay segment TANMH (Tangier Sound)**

Cause Location: This cause encompasses the complete CPB segment TANMH.

City / County: Accomack Co.

Use(s): Aquatic Life                      Open-Water Aquatic Life

Cause(s) / VA Category: Oxygen, Dissolved / 4A

The 30-day dissolved oxygen criteria for open water use failed for the 2018 assessment. There are insufficient data to assess remaining shorter-term dissolved oxygen criteria for this use.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VACB-C10E_TNN01A06 / Tangier North Channel and Adjacent Waters, DSS Area A and B. / Waters surrounding Tangier Island. Portion of CBP segment TANMH. DSS (ADMINISTRATIVE) shellfish condemnation # 078-086, section A effective 11/6/2013	4A	Oxygen, Dissolved	2006	L	1.366
VACB-C10E_TNN01B06 / Tangier North Channel and Adjacent Waters, DSS Area C. / Waters surrounding Tangier Island. Portion of CBP segment TANMH. DSS (ADMINISTRATIVE) shellfish condemnation # 078-086, section B effective 11/6/2013	4A	Oxygen, Dissolved	2006	L	0.039
VACB-C10E_TNN01C16 / Tangier North Channel and Adjacent Waters, Open waters / Waters surrounding Tangier Island. Portion of CBP segment TANMH. Open waters of the DSS cond # 078-86 eff 11/06/2013. Split from VAC-C10E_TNN01A06 (2016).	4A	Oxygen, Dissolved	2006	L	0.196
VACB-C10E_TNN01D18 / Tyler Creek, Shanks Creek, Tangier Sound / Tyler Creek, Shanks Creek, Tangier Sound - Portion of CBP segment TANMH. Restricted waters of the DSS cond # 074-226 eff 2/26/2015. Split from VACB-C10E-TAN.	4A	Oxygen, Dissolved	2006	L	2.169
VACB-C10E-TAN / Chesapeake Bay - VA portion of CBP Segment TANMH / This assessment unit is the mainstem Chesapeake Bay portion of Chesapeake Bay Program segment TANMH, located in the northern part of the Virginia mainstem Bay around Tangier Sound. HUC: 02080101	4A	Oxygen, Dissolved	2006	L	118.980

Chesapeake Bay segment TANMH (Tangier Sound)

### **Aquatic Life**

Oxygen, Dissolved - Total Impaired Size by Water Type:

Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>122.751</b>		

### Sources:

Agriculture	Atmospheric Deposition - Nitrogen	Clean Sediments	Industrial Point Source Discharge
Internal Nutrient Recycling	Loss of Riparian Habitat	Municipal Point Source Discharges	Non-Point Source
Sediment Resuspension (Clean Sediment)	Source Unknown	Sources Outside State Jurisdiction or Borders	Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

# Fact Sheets for Impaired (Category 4 or 5) Waters in 2018

## Chesapeake Bay/Atlantic/Small Coastal Basins

**Cause Group Code:** **TANMH-SAV-BAY** **Chesapeake Bay segment TANMH (Tangier Sound)**

Cause Location: This cause encompasses the complete CBP segment TANMH.

City / County: Accomack Co.

Use(s): Aquatic Life                      Shallow-Water Submerged  
   Aquatic Vegetation

Cause(s) / VA Category: Aquatic Plants (Macrophytes) / 4A

The acres of submerged aquatic vegetation (SAV) mapped through aerial surveys do not meet the criteria. Submerged Aquatic Vegetation acres goal is 13,585 acres but only 57% of this goal was achieved in the most recent 3 years. There is insufficient data to assess the water clarity criteria.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VACB-C10E_TNN01A06 / Tangier North Channel and Adjacent Waters, DSS Area A and B. / Waters surrounding Tangier Island. Portion of CBP segment TANMH. DSS (ADMINISTRATIVE) shellfish condemnation # 078-086, section A effective 11/6/2013	4A	Aquatic Plants (Macrophytes)	2006	L	1.366
VACB-C10E_TNN01B06 / Tangier North Channel and Adjacent Waters, DSS Area C. / Waters surrounding Tangier Island. Portion of CBP segment TANMH. DSS (ADMINISTRATIVE) shellfish condemnation # 078-086, section B effective 11/6/2013	4A	Aquatic Plants (Macrophytes)	2006	L	0.039
VACB-C10E_TNN01C16 / Tangier North Channel and Adjacent Waters, Open waters / Waters surrounding Tangier Island. Portion of CBP segment TANMH. Open waters of the DSS cond # 078-86 eff 11/06/2013. Split from VAC-C10E_TNN01A06 (2016).	4A	Aquatic Plants (Macrophytes)	2006	L	0.196
VACB-C10E_TNN01D18 / Tyler Creek, Shanks Creek, Tangier Sound / Tyler Creek, Shanks Creek, Tangier Sound - Portion of CBP segment TANMH. Restricted waters of the DSS cond # 074-226 eff 2/26/2015. Split from VACB-C10E-TAN.	4A	Aquatic Plants (Macrophytes)	2006	L	2.169
VACB-C10E-TAN / Chesapeake Bay - VA portion of CBP Segment TANMH / This assessment unit is the mainstem Chesapeake Bay portion of Chesapeake Bay Program segment TANMH, located in the northern part of the Virginia mainstem Bay around Tangier Sound. HUC: 02080101	4A	Aquatic Plants (Macrophytes)	2006	L	118.980
Chesapeake Bay segment TANMH (Tangier Sound)			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
<b>Shallow-Water Submerged Aquatic Vegetation</b>					
Aquatic Plants (Macrophytes) - Total Impaired Size by Water Type:			<b>122.751</b>		

### Sources:

Agriculture	Atmospheric Deposition - Nitrogen	Clean Sediments	Industrial Point Source Discharge
Internal Nutrient Recycling	Loss of Riparian Habitat	Municipal Point Source Discharges	Non-Point Source
Sediment Resuspension (Clean Sediment)	Sources Outside State Jurisdiction or Borders	Wet Weather Discharges (Non-Point Source)	Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)